### COURSE OFFERINGS SUMMER 2015

#### SCHOOL OF ARCHITECTURE

**Architectural Interior Design - ARI**
- **Architecture - ARC**
- **Community and Regional Planning - CRP**
- **Landscape Architecture - LAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tr>
<td>ARI w310</td>
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<tr>
<td>INTERIOR DESIGN INTERNSHIP</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Practical application of design procedures in a professional design office. Restricted to students in the School of Architecture. Prerequisite: Architectural Interior Design 530T.</td>
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<tr>
<td>INTERIOR DESIGN RESEARCH</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Investigation of problems selected by the student with approval of the supervising instructor. Prerequisite: Upper-division standing and consent of instructor and the dean.</td>
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<td>INTERIOR DESIGN RESEARCH</td>
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<td>ARC f310K</td>
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<td>DESIGN</td>
<td>Offered on the letter-grade basis only. An introduction to the forms and methods of design for architects and interior designers, with an emphasis on inhabitation including body, light, and movement. Taught in a studio format by faculty members under the direction of a faculty coordinator. Restricted to students in the School of Architecture. Prerequisite: Registration for Architectural Interior Design 311K or Architectures 311K, same as ARI 310K.</td>
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<td>MTWTHF 800 - 1230P GOL 3.124</td>
<td>MILOVANOVIC-BERTA</td>
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<td>ARC f311K</td>
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<td>VISUAL COMMUNICATION</td>
<td>Study and application of drawing and other communication skills for designers, including formal and spatial studies, life drawing, and perspective. Restricted to students in the School of Architecture. Prerequisite: Registration for Architectural Interior Design 310K or Architecture 310K, same as ARI 311K.</td>
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<td>ARC f350R</td>
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<td>COMMUNITY DESIGN ASSESSMENT</td>
<td>Course number may be repeated for credit when the topics vary. Advanced topics in architecture and associated disciplines to encourage critical and theoretical thinking. Prerequisite: For students in the School of Architecture, upper-division standing; for others, upper-division standing and consent of instructor; additional prerequisites may vary with the topic.</td>
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<td>ARC n350R</td>
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<tr>
<td>SMART, GREEN AND JUST</td>
<td>Course number may be repeated for credit when the topics vary. Advanced topics in architecture and associated disciplines to encourage critical and theoretical thinking. Prerequisite: For students in the School of Architecture, upper-division standing; for others, upper-division standing and consent of instructor; additional prerequisites may vary with the topic.</td>
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<td>ADVANCED DESIGN</td>
<td>Offered on the letter-grade basis only. May be repeated for credit. Advanced problems in architectural design. Restricted to students in the School of Architecture. Prerequisite: Architecture 530T with a grade of at least C and satisfactory completion of third-year portfolio review.</td>
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<td>70405</td>
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<td>ATKINSON, S</td>
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**Community and Regional Planning - CRP**

- **Advanced Design: London Studio**
- **Community Design Engagement**
- **History of Architecture SINCE 1985**
- **Smart, Green, and Just**
- **Research in Architecture**
- **Research in Architecture-PRP**
- **Advanced Design: London Studio**
- **Advanced Design: Master of Science in Landscape Architecture**
- **Thesis**
THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. For students seeking the Master of Science or Master of Arts degrees in the School of Architecture, those seeking the Master of Architecture as a postprofessional degree, and those seeking the Master of Architecture as a first professional degree who choose to complete the requirements of a concentration. Prerequisite: For 699A, graduate standing in architecture and consent of the graduate adviser; for 699B, Architecture 699A. Restricted to students seeking a postprofessional degree.
• 70460

ARC w698B
THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. For students seeking the Master of Science or Master of Arts degrees in the School of Architecture, those seeking the Master of Architecture as a postprofessional degree, and those seeking the Master of Architecture as a first professional degree who choose to complete the requirements of a concentration. Prerequisite: For 699A, graduate standing in architecture and consent of the graduate adviser; for 699B, Architecture 699A. Restricted to students seeking a postprofessional degree.
• 70465

THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. For students seeking the Master of Science or Master of Arts degrees in the School of Architecture, those seeking the Master of Architecture as a postprofessional degree, and those seeking the Master of Architecture as a first professional degree who choose to complete the requirements of a concentration. Prerequisite: For 699A, graduate standing in architecture and consent of the graduate adviser; for 699B, Architecture 699A. Restricted to students seeking a postprofessional degree.
• 70470

ARC w399R
MASTERS REPORT
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in architectural studies and consent of the graduate adviser.
• 70490

ARC w399R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of the graduate adviser.
• 70495

ARC w699R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of the graduate adviser.
• 70490

ARC w999R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of the graduate adviser.
• 70495

ARC w399W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Architecture 399R, 699R, or 999R, and written consent of the graduate adviser.
• 70500

ARC w699W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Architecture 399R, 699R, or 999R, and written consent of the graduate adviser.
• 70505

ARC w999W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Architecture 399R, 699R, or 999R, and written consent of the graduate adviser.
• 70510

ARC s310L
DESIGN II
Offered on the letter-grade basis only. An introduction to the forms and methods of design for architects and interior designers, with an emphasis on environment, including color, material, and texture. Taught in a studio format by faculty members under the direction of a faculty coordinator. Restricted to students in the School of Architecture. Prerequisite: The following coursework with a grade of at least C in each: Architectural Interior Design 310K and 311K, or Architecture 310K and 311K, and registration for Architectural Interior Design 311L, same as ARI 310L.
• 70515 MTWTHF 800 - 1230P GOL 3.124 BENEDIKT, M

ARC s311L
VISUAL COMMUNICATION II
Study and application of drawing and other communication skills for designers, including color, light and shadow, and projections. Employs manual and digital techniques. Restricted to students in the School of Architecture. Prerequisite: The following coursework with a grade of at least C in each: Architectural Interior Design 310K and 311K, or Architecture 310K and 311K, and registration for Architectural Interior Design 311L, same as ARI 310L.
• 70515 MTWTHF 800 - 1230P GOL 3.124 BENEDIKT, M

ARC s379
ARCHITECTURAL RESEARCH
Hour(s) to be arranged. Investigation of problems selected by the student with the approval of the supervising instructor and the associate dean for undergraduate programs. A grade of at least C is required for degree credit. Prerequisite: Consent of instructor.
• 70525

ARC s389
RESEARCH IN ARCHITECTURE
Hour(s) to be arranged. Investigation of problems in architecture, urban design, and development selected by the student with approval of the Graduate Studies Committee. Prerequisite: Graduate standing and consent of the graduate adviser.
• 70530

CRP f381
COMMUNITY DESIGN ASSESSMENT
Course number may be repeated for credit when the topics vary. Land use and other areas of law related to urban planning, public finance, public economics, and political economy. Prerequisite: General standing and consent of instructor. Meets with LAR 388, ARC 389M, ARC 389R.
• 70585 MTWTHF 330 - 600P BTL 101 MOORE, S

COMMUNITY DESIGN ENGAGEMENT
Course number may be repeated for credit when the topics vary. Land use and other areas of law related to urban planning, public finance, public economics, and political economy. Prerequisite: Graduate standing and consent of instructor. Meets with ARC 389R, ARC 389M, ARC 389R.
• 70590 MTWTHF 200 - 430P BTL 101 STIPHANY, K

CRP n381
SMART, GREEN, AND JUST
Course number may be repeated for credit when the topics vary. Quantitative and qualitative methods of planning analysis, spatial analysis and mapping, and visual communication techniques. Prerequisite: Graduate standing and consent of graduate adviser.
• 70595 MTWTHF 1200 - 100P SUT 2.112 ATKINSON, S

CRP w685D
PLANNING STUDIO
An integrative and comprehensive planning studio project course, involving application of theory, research, fieldwork, and oral, graphic, and written communication. With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing, meets with ARC 699, ARC 560R, LAR 699.
• 70600 MTWTHF 830 - 1230P GOL 3.126 COKER, C

CRP f386
GEO INFO SYSTEMS IN PLANNING
Course number may be repeated for credit when the topics vary. Quantitative and qualitative methods of planning analysis, spatial analysis and mapping, and visual communication techniques. Prerequisite: Graduate standing and consent of graduate adviser.
• 70605 MTWTHF 500 - 730P SUT 2.112 JIAO, J

CRP f396
INDEPENDENT RESEARCH IN CRP
Hour(s) to be arranged. Prerequisite: Graduate standing and consent of the graduate adviser.
• 70610

CRP w396
INDEPENDENT RESEARCH IN CRP
Hour(s) to be arranged. Prerequisite: Graduate standing and consent of the graduate adviser.
• 70615

CRP w397
PLANNING INTERNSHIP
Hour(s) to be arranged. Offered on the credit/no credit basis only. Includes placement with a public or private planning agency, faculty supervision, and presentation of report. Prerequisite: Graduate standing and consent of the graduate adviser.
• 70620

CRP w698A
THESIS
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in community and regional planning and consent of the graduate adviser; for 698B, Community and Regional Planning 698A.
• 70625

CRP w698B
THESIS
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in community and regional planning and consent of the graduate adviser; for 698B, Community and Regional Planning 698A.
• 70630

CRP w398R
MASTERS PROFESSIONAL REPORT
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in community and regional planning and consent of the graduate adviser.
• 70635

CRP w399R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 70640
CRP w999R DISSECTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 70655
CRP w999R DISSECTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 70655
CRP w399W DISSECTATION
Offered on the credit/no credit basis only. Prerequisite: Community and Regional Planning 399R, 699R, or 999R.
- 70660
CRP w699W DISSECTATION
Offered on the credit/no credit basis only. Prerequisite: Community and Regional Planning 399R, 699R, or 999R.
- 70665
CRP s383 LAND USE & ENVIR CONF RESOLUTN
Course number may be repeated for credit when the topics vary. Seminars and workshops on subjects including environmental and ecological analysis and planning topics. Workshops are based on active research or cooperation with public or private clients. Prerequisite: Graduate standing.
- 70670 TWT 100 - 330P SUT 2.110 RAWLINS, R
CRP s384 5-INTL TRANSPORTATION ISSUES
Course number may be repeated for credit when the topics vary. Neighborhood, city, and regional transportation policy and practice. Prerequisite: Graduate standing and consent of graduate adviser.
- 70675 TWT 100 - 330P SUT 2.110 ZHANG, M
CRP s395C PLANNING STUDIO
An integrative and comprehensive planning studio project course, involving application of theory, research, fieldwork, and oral, graphic, and written communication. With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing and consent of the graduate adviser.
- 70680 TWT 330 - 600P SUT 3.112 WILSON, P
CRP s396 INDEPENDENT RESEARCH IN CRP
Hour(s) to be arranged. Prerequisite: Graduate standing and consent of the graduate adviser.
- 70685

LAR w696 PUB INTEREST DSGN PRACTICUM
Course number may be repeated for credit when the topics vary. Elective studios offering students an opportunity to explore particular topics in landscape, often in collaboration with architecture and community and regional planning students. Prerequisite: Graduate standing, Landscape Architecture 695 with a grade of at least C, and consent of the graduate adviser. meets with ARC 696, ARC 560R, CRP 685D.
- 70760 MTWTHF 830 - 1230P GOL 3.126 COKER, C
LAR s380 SUMMER ATELIER IN LANDSCP ARCH
An introduction to the fundamental components of landscape architecture and graphic communication. Students are introduced to basic drawing and representational skills. Prerequisite: Graduate standing, admission to the Master of Landscape Architecture program, and consent of the graduate adviser.
- 70765 MTWTH 900 - 1200P GOL 4.114 SOWELL, J
LAR s389 RESEARCH IN LANDSCAPE ARCH
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Investigation of topics in landscape architecture selected by the student with approval of the Graduate Studies Committee. Prerequisite: Graduate standing and consent of the graduate adviser.
- 70770

LAR 1388 COMMUNITY DESIGN ASSESSMENT
Additional hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Seminars on advanced topics in history and theory, including analysis, readings, and critique of significant positions, practice, and discourse. Prerequisite: Graduate standing, and Landscape Architecture 358L or consent of the graduate adviser. meets with CRP 381, ARC 388M, ARC 350R.
- 70740 MTW 330 - 600P BTL 101 MOORE, S

COMMUNITY DESIGN ENGAGEMENT
Course number may be repeated for credit when the topics vary. Seminars on advanced topics in history and theory, including analysis, readings, and critique of significant positions, practice, and discourse. Prerequisite: Graduate standing, and Landscape Architecture 358L or consent of the graduate adviser. meets with CRP 381, ARC 388M, ARC 350R.
- 70745 TWT 200 - 430P BTL 101 STIPHANY, K

LAR n388 SMART, GREEN, AND JUST
Course number may be repeated for credit when the topics vary. Seminars on advanced topics in history and theory, including analysis, readings, and critique of significant positions, practice, and discourse. Prerequisite: Graduate standing, and Landscape Architecture 358L or consent of the graduate adviser. meets with CRP 381, ARC 388M, ARC 350R.
- 70750 MTWTHF 1200 - 1000P SUT 3.112 ATKINSON, S

LAR 1389 RESEARCH IN LANDSCAPE ARCH
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Investigation of topics in landscape architecture selected by the student with approval of the Graduate Studies Committee. Prerequisite: Graduate standing and consent of the graduate adviser.
- 70755

LAR 696 ADV DSGN: LONDON STUDIO
Course number may be repeated for credit when the topics vary. Elective studios offering students an opportunity to explore particular topics in landscape, often in collaboration with architecture and community and regional planning students. Prerequisite: Graduate standing, Landscape Architecture 695 with a grade of at least C, and consent of the graduate adviser.
- 70757 MTWTFH 830 - 1230P GOL 4.130 ATKINSON, S
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<td>BUSN 380C</td>
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<td></td>
<td>Offered on the letter-grade basis only. A discussion of technical architecture, including</td>
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<td>hardware/software platforms, operating systems, networking and the Internet; development</td>
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<td>strategies; and management issues for the introduction of new technology. Restricted to</td>
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<td>students in the MBA program. Prerequisite: Graduate standing and admission to the McCombs</td>
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<td>School of Business. Restricted to students in the Evening MBA program. Class meets May 27</td>
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<td>and June 1-August 10.</td>
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<td>repeated for credit when the topics vary. Microeconomic and macroeconomic forces</td>
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<td>that influence an organization's decisions, including interest rates, business cycles,</td>
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<td>financial systems, input demand and supply, industry factors, market structure, and</td>
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<td>externalities. Microeconomic forces that influence an organization's decisions, including</td>
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<td>interest rates, business cycles, and financial systems. Restricted to students in the</td>
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<td>McCombs School of Business. Prerequisite: Graduate standing. Restricted to cohorts I and</td>
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<td></td>
<td>II students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in</td>
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<td>Dallas, Texas. Class meets May 8-9, 15-16, June 5-6, 12-13, and 26-27.</td>
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<td>School of Nursing in Houston, Texas. Class meets May 8-9, 15-16, June 5-6, 12-13, and</td>
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<td>28-27.</td>
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<td>70965</td>
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<td>SADLER, M</td>
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<tr>
<td>2-MANAGERIAL MACROCON-II-DAL</td>
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<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be</td>
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<td>repeated for credit when the topics vary. Microeconomic and macroeconomic forces</td>
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<td>that influence an organization's decisions, such as interest rates, business cycles,</td>
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<td>financial systems, input demand and supply, industry factors, market structure, and</td>
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<td>externalities. Microeconomic forces that influence an organization's decisions, including</td>
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<td>interest rates, business cycles, and financial systems. Restricted to students in the</td>
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<td>McCombs School of Business. Prerequisite: Graduate standing. Restricted to cohort II</td>
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<td>students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas,</td>
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<td>Texas, Class meets May 8-9, 15-16, June 5-6, 12-13, and 26-27.</td>
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<td>70870</td>
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<td>TREJO, S</td>
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<tr>
<td>2-MANAGERIAL MACROCON-II-HOU</td>
<td>fee: $40.00</td>
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<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be</td>
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<td>repeated for credit when the topics vary. Microeconomic and macroeconomic forces</td>
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<td>that influence an organization's decisions, such as interest rates, business cycles,</td>
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<td>financial systems, input demand and supply, industry factors, market structure, and</td>
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<td>externalities. Microeconomic forces that influence an organization's decisions, including</td>
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<td>interest rates, business cycles, and financial systems. Restricted to students in the</td>
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<td>McCombs School of Business. Prerequisite: Graduate standing. Restricted to cohort II</td>
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<td>students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in</td>
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<td>Dallas, Texas. Class meets May 8-9, 15-16, June 5-6, 12-13, and 26-27.</td>
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<td>70875</td>
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<td>TREJO, S</td>
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<td>2-SPEC STD: MANAGEMENT-II-DAL</td>
<td>fee: $40.00</td>
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<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary.</td>
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<td>Conference course in any of the areas offered by the McCombs School of Business.</td>
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<td>With consent of instructor, some topics may be repeated for credit. Prerequisite:</td>
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<td>Graduate standing and consent of instructor. Restricted to cohort II students in the</td>
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<tr>
<td>MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas.</td>
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<td>70990</td>
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**Notes:**
- Microeconomic and macroeconomic forces that influence an organization's decisions, such as interest rates, business cycles, financial systems, input demand and supply, industry factors, market structure, and externalities.
- Microeconomic forces that influence an organization's decisions, including interest rates, business cycles, and financial systems.
- Microeconomic and macroeconomic forces that influence an organization's decisions, including interest rates, business cycles, and financial systems. Restricted to students in the McCombs School of Business. Prerequisite: Graduate standing. Restricted to cohort II students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, June 5-6, 12-13, and 26-27.
meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Buenos Aires and Mendoza, Argentina. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70915 LIMBERG, S

DIR STD GLOBAL MGMT-DAL/BRA fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Rio de Janeiro and Sao Paulo, Brazil. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70920 HIRST, D

DIR STD GLOBAL MGMT-DAL/CHN fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Shanghai, China. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70925

DIR STD GLOBAL MGMT-DAL/EUR fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Prague, Czech Republic and Budapest, Hungary. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70930 MARTINS, L

DIR STD GLOBAL MGMT-DAL/TUR fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Istanbul, Turkey. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70940 DUKERICH, J

DIR STD GLOBAL MGMT-HOUIARG fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Buenos Aires and Mendoza, Argentina. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70945 LIMBERG, S

DIR STD GLOBAL MGMT-HOUIBRA fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Shangh ai, China. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70950

DIR STD GLOBAL MGMT-HOUICHN fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Shanghai, China. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70955 HIRST, D

DIR STD GLOBAL MGMT-HOUIEUR fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Prague, Czech Republic and Budapest, Hungary. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70960 MARTINS, L

DIR STD GLOBAL MGMT-HOUI/TUR fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Mandatory field trip July 19-25 taught in Istanbul, Turkey. Students must consult with department as travel and orientation dates may be in addition to these dates.

• 70965 T

B A n291

SPEC STD/CAP INT STD-I-DAL fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to cohort II students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

• 70970

SPEC STD/CAP INT STD-II-HOU fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to cohort II students in the MBA program in Houston. Taught at UT Southwestern Medical Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

• 70980

SPEC STD/CAP INT IND STD-II-DAL fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to cohort II students in the MBA program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

• 70990

SPEC STD/CAP INT INDSTD-I-DAL fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. Restricted to cohort II students in the MBA program in Houston. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16, and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

• 70995

B A 1391

SPEC STD: INTERNATIONAL BUSN fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. See headnote.

• 71000

SPEC STD: MANAGEMENT SCIENCE fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. See headnote.

• 71005

SPEC STD: STATISTICS fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit: Prerequisite: Graduate standing and consent of instructor. See headnote.
1-SPEC STDS: FINANCE
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71010

2-SPEC STDS: MANAGEMENT
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71015

3-SPEC STDS: REAL ESTATE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71020

4-SPEC STDS: RISK MANAGEMENT
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71025

5-SPEC STDS: ACCOUNTING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71030

6-SPEC STDS: MARKETING
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71035

INTEG INDEPENDENT STUDY-DAL
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA Program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas.
• 71040

INTEG INDEPENDENT STUDY-HOU
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA Program in Houston. Taught at UT Health Sciences Center in Houston, Texas.
• 71045

1-SPEC STDS: FINANCE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71050

1-SPEC STDS: FINANCE-HOU
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71060

2-SPEC STDS: MANAGEMENT
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71065

2-SPEC STDS: MANAGEMENT-HOU
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA Program in Houston. Taught at UT Health Sciences Center in Houston, Texas.
• 71070

4-SPEC STDS: RISK MGMT-DAL
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA Program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas.
• 71075

4-SPEC STDS: RISK MGMT-HOU
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MBA Program in Houston. Taught at UT Health Sciences Center in Houston, Texas.
• 71080

6-SPEC STDS: MARKETING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71085

SPEC STDS B A-INTERNATL BUSN
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MPA or full-time MBA Program.
• 71090

SPEC STDS: LEGAL ENVIR OF BUSN
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor.
• 71095

SPEC STDS: MANAGEMENT SCIENCE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71100

SPEC STDS: STATISTICS
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor.
• 71105

1-SPEC STDS: FINANCE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71110

2-SPEC STDS: MANAGEMENT
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71115

3-SPEC STDS: REAL ESTATE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71120

4-SPEC STDS: RISK MANAGEMENT
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
• 71125
5-SPEC STDS: ACCOUNTING  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71130

6-SPEC STDS: MARKETING  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Restricted to students in the MPA or full-time MBA Program.
- 71135

B A w398R  MASTERS REPORT  fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing and admission to the McCombs School of Business. Restricted to students in the Master of Science in Finance program. Class meets July 21-August 7.
- 71140

B A s324  BUSN COMM: ORAL AND WRITTEN  fee: $40.00
Offered on the letter-grade basis only. Theory and practice of effective communication, using models from business situations. Students practice what they learn with a variety of in-class activities, written assignments, and oral presentations. Teamwork and use of interpersonal skills are included. Business Administration 324 and 324H may not both be counted. Restricted to students in the McCombs School of Business. Prerequisite: English 603A, Rhetoric and Writing 306, 306Q, 308K, or Tutorial Course 603A, and credit or registration for Business Administration 101H, 101S, or 101T.
- 71145 MTWTH 1000 - 1200 CBA 4.322

B A s385T  FINANCIAL MANAGEMENT  fee: $40.00
Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. An exploration of concepts and techniques employed in investment decision making, working capital management, and financing the activities of a business. Prerequisite: Graduate standing and admission to the McCombs School of Business. Restricted to students in the Master of Science in Finance program. Class meets July 21-August 7.
- 71150 MTWTH 900 - 1200 GSB 2.120 BUTLER, J

B A s391  SPEC STDS: INTERNATIONAL BUSN  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71160

SPEC STDS: LEGAL ENVIR OF BUSN  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor.
- 71165

SPEC STDS: MANAGEMENT SCIENCE  fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71170

SPEC STDS: STATISTICS  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71175

1-SPEC STDS: FINANCE  fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71180

3-SPEC STDS: REAL ESTATE  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71185

4-SPEC STDS: RISK MANAGEMENT  fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71190

5-SPEC STDS: ACCOUNTING  fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Conference course in any of the areas offered by the McCombs School of Business. With consent of instructor, some topics may be repeated for credit. Sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. See headnote.
- 71195

DEPARTMENT OF ACCOUNTING

Accounting - ACC

ACC f310F  FOUNDATIONS OF ACCOUNTING  fee: $40.00
An introduction to financial and managerial accounting, with emphasis on the content, interpretation, and uses of accounting reports: Discussion of the determination and reporting of net income and financial position, and the theories underlying business financial statements; consideration of managerial accounting topics designed to extend the student's knowledge to the planning and controlling of the operations of the firm. May not be counted toward the Bachelor of Business Administration degree. Restricted to non-McCombs School of Business majors. Taught as a Web-based course.
- 71235 BUTLER, J

ACC f311  FUNDAMENTALS OF FINANCIAL ACC  fee: $40.00
Offered on the letter-grade basis only. Concepts and their application in transaction analysis and financial statement preparation; analysis of financial statements. Accounting 311 and 311H may not both be counted. Restricted to students in the McCombs School of Business. Prerequisite: Twenty-four semester hours of college credit.
- 71260 MTWTH 900 - 1200 GSB 2.122 KARTAPANIS, A
- 71265 MTWTH 1200 - 200P CBA 4.324 HUANG, Y

ACC f312  FUNDAMENTALS OF MANAGERIAL ACC  fee: $40.00
Offered on the letter-grade basis only. Introduction to cost behavior, budgeting, responsibility accounting, cost control, and product costing. Accounting 312 and 312H may not both be counted. Restricted to students in the McCombs School of Business. Prerequisite: Accounting 311 or 311H.
- 71270 MTWTH 900 - 1200 CBA 4.324 INFUEHR, J

ACC f317C  INDEPENDENT RSCH ACCOUNTING  fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 317C, 379C, Business Government and Society 179, 379, Finance 179C, 379C, International Business 179, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a McCombs School of Business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Accounting 311 or 311H, and 312 or 312H, with a grade of at least C- in each; consent of instructor; and written approval or forms provided for that purpose before the first meeting of the course from the department chair's office.
- 71275

ACC f379C  INDEPENDENT RSCH ACCOUNTING  fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government and Society 179, 379, Finance 179C, 379C, International Business 179, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a McCombs School of Business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Accounting 311 or 311H, and 312 or 312H, with a grade of at least C- in each; consent of instructor; and written approval or forms provided for that purpose before the first meeting of the course from the department chair's office.
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<td>Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Accounting 327 and 380K (Topic 7) may not both be counted. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: Accounting 356, 381, Business Administration 3847, or the equivalent.</td>
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<td>Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: Accounting 356, 391, Business Administration 3847, or the equivalent.</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: For students enrolled in the Master of Business Administration program, Business Administration 3847, or students enrolled in the traditional approach to the Master in Professional Accounting program, Accounting 381 or the equivalent; for students enrolled in the integrated approach to the Master in Professional Accounting program, Accounting 355, 356, 387, and 359. Class meets June 1-July 2. Faculty-led Abroad Program taught in Buenos Aires, Argentina. Students must consult with department as travel and orientation dates may be in addition to these dates.</td>
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<td>• 71300 JOHANNIS, J</td>
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<td>4-FRAUD EXAMINATION</td>
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<td>Course number may be repeated for credit when the topics vary. Professional and technical aspects of practice; ethics and legal responsibilities; review of fieldwork, emphasizing materiality, sampling, and working papers; reporting problems, including long-form and special purpose reports; fraud examination and audit methodologies. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisite: For students in the Master of Business Administration program, Business Administration 3847 or the equivalent; for students in the traditional approach to the Master in Professional Accounting program, Accounting 381, Business Administration 3847, or the equivalent, or consent of instructor; and Accounting 387 (Topic 1: Introduction to Managerial Accounting) or the equivalent, or consent of instructor; for students in the integrated approach to the Master in Professional Accounting program, Accounting 355, 356, 387, or the equivalent, or consent of instructor; and Accounting 359 or the equivalent or consent of instructor.</td>
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<tr>
<td>• 71315 MTW 800 - 1000 UTC 1.104 BRADSHAW, M</td>
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<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Financial accounting theory; current pronouncements on theory; problems of income determination; accounting research and research methodology applied to accounting issues. Prerequisite: Graduate standing; admission to the doctoral degree program in accounting, and consent of instructor. CSP Blank Timeline</td>
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8
ACC s379C
INDEPENDENT RSCH ACCOUNTING
fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration, Accounting 179C, 379C, Business Government and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a McCombs School of Business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Accounting 311 or 311H, and 312 or 312H, with a grade of at least C- in each; consent of instructor; and written approval on forms provided for that purpose before the first meeting of the course from the department chair's office.

71395

ACC s380K
2-FINCL ACC STANDS AND ANY II
fee: $40.00
Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Accounting 360 and 360K (Topic 2) may not both be counted. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: Accounting 380K (Topic 1) or the equivalent or consent of instructor.

71400 T WTH 130 - 400P UTC 1.104 HOSSFELD, C

8-PETROLEUM ACC. PRINC/IPRO/ISS
fee: $40.00
Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: Accounting 356, 381, Business Administration 384T, or the equivalent.

71405 MTWTH 1130 - 130P GSB 2.122 HAYS, J

11-INTRODUCTION TO TAXATION
fee: $40.00
Course number may be repeated for credit when the topics vary. In-depth study of selected accounting topics. Only one of the following may be counted: Accounting 355, 364, 380K (Topic 11). Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: For students enrolled in the Master of Business Administration program, Business Administration 384T, for students enrolled in the traditional approach to the Master in Professional Accounting program, credit or registration for Accounting 381 or the equivalent.

71410 WTHF 1230 - 300P WEL 2.256 HOLBROOK, T

ACC s381
FINANCIAL ACCOUNTING
fee: $40.00
Concepts and issues involved in the preparation and interpretation of financial statements; the use of financial information to evaluate and control an organization. Accounting 311 or 311H (Topic 13) may not both be counted. Prerequisite: Graduate standing; admission to the traditional approach to the Master in Professional Accounting program, and Accounting 311 or the equivalent.

71415 MTW 900 - 1130 UTC 1.102 LENDECKY, B

ACC s383K
4-FRAUD EXAMINATION
fee: $40.00
Course number may be repeated for credit when the topics vary. Professional and technical aspects of practice; ethics and legal responsibilities; review of fieldwork, emphasizing materiality, sampling, and working papers; reporting problems, including long-form and special purpose reports; fraud examination and audit methods. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisite: For students in the Master of Business Administration program, Business Administration 384T or the equivalent; for students in the traditional approach to the Master in Professional Accounting program, Accounting 381, Business Administration 384T, or the equivalent, or consent of instructor; and Accounting 356 or the equivalent or consent of instructor.

71420 MTW 800 - 1000 UTC 1.104 BRADSHAW, M

ACC s386K
DOCTORAL SUMMER RESEARCH PAPER
fee: $40.00
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Financial accounting theory; current pronouncements on theory; problems of income determination; accounting research and research methodology applied to accounting issues. Prerequisite: Graduate standing, admission to the doctoral degree program in accounting, and consent of instructor.

71425 CLEMENT, M

ACC s191C
SPECIAL STUDIES IN ACCOUNTING
fee: $40.00
Hour(s) to be arranged. May be repeated for credit. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; admission to the Master in Professional Accounting program or the doctoral program in accounting; and consent of instructor.

71430 MCLAUGHLIN, B

ACC s391C
SPECIAL STUDIES IN ACCOUNTING
fee: $40.00
Hour(s) to be arranged. May be repeated for credit. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; admission to the Master in Professional Accounting program or the doctoral program in accounting; and consent of instructor.

71435

ACC s691C
SPECIAL STUDIES IN ACCOUNTING
fee: $40.00
Hour(s) to be arranged. May be repeated for credit. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; admission to the Master in Professional Accounting program or the doctoral program in accounting; and consent of instructor.

71440
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**BUSINESS ETHICS-I-HOU**
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Selected topics on legal constraints affecting managerial decision making and business behavior. Prerequisite: Graduate standing. Restricted to cohort I students in the MBA Program in Houston. Taught at UT Health Sciences Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

**BUSINESS ETHICS-II-DAL**
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Selected topics on legal constraints affecting managerial decision making and business behavior. Prerequisite: Graduate standing. Restricted to cohort II students in the MBA Program in Dallas. Taught at UT Southwestern Medical Center in Dallas, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

**BUSINESS ETHICS-II-HOU**
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Selected topics on legal constraints affecting managerial decision making and business behavior. Prerequisite: Graduate standing. Restricted to cohort II students in the MBA Program in Houston. Taught at UT Health Sciences Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

**LEB 310**
Course number may be repeated for credit when the topics vary. Selected topics on legal constraints affecting managerial decision making and business behavior. A comprehensive study of the legal framework for business transactions, including bailments, sales of goods, commercial paper, tender liability, bank-customer relationships, secured transactions, creditor rights, and bankruptcy. Prerequisite: Graduate standing.

**LEB 315**
Course number may be repeated for credit when the topics vary. Selected topics on legal constraints affecting managerial decision making and business behavior. Prerequisite: Graduate standing. Restricted to cohort I students in the MBA Program in Houston. Taught at UT Health Sciences Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27. Class also meets July 10-11 at AT&T Conference Center.

**LEB 360**
Offered on the letter-grade basis only. Principles of finance, with application to all aspects of the business firm: particular attention to cost of capital, investment decisions, management of assets, and procurement of funds. Finance 357 and 357H may not both be counted. Restricted to students in a McCombs School of Business major. Prerequisite: Statistics 309 or 309H; credit or registration for Accounting 312 or 312H, and Business Administration 320 or 324H.

**LEB 365**
Investment theory, alternatives, and decision making under differing uncertainties and constraints; formulation of objectives and strategies; development of conceptual managerial perspectives and ond approaches for investment environments. Finance 367 and 367Q may not both be counted. Restricted to students in a business major. Prerequisite: Finance 357 or 357H; and credit or registration for Statistics 371G, 371H, 375, or 375H.

**LEB 366**
Integrates financial decision making in functional areas of finance; utilizes various concepts to promulgate strategies, policies, and procedures in managing funds to achieve objectives. Restricted to students in a McCombs School of Business major. Prerequisite: Ninety semester hours of college coursework; Finance 367 or 367Q; credit or registration for one of the following: Accounting 353J, 356P; Business Administration 353, 353H, Finance 353, 356P, Management 353, Management Information Systems 353, 366P, Marketing 353, 366P, Operations Management 353, or 366P; and three additional semester hours of coursework in finance or real estate.

**LEB 367**
The international financial environment, with emphasis on the factors affecting exchange rates and how exchange rate changes affect the firm. Restricted to students in a business major. Prerequisite: Finance 357 or 357H.
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<td>Hallman, G</td>
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<tr>
<td>MIS w302F</td>
<td>Intro to Info Tech MGMT-WB</td>
<td>$40.00</td>
<td>MTWTH</td>
<td>200P</td>
<td>Hallman, G</td>
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</table>

### Course Descriptions

**FIN 117C: Independent Rsch in Finance**
- Fee: $40.00
- Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Finance 357 or 357H with a grade of at least C- and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: Finance 399R, 699R, or 999R. Offered on the letter-grade basis only. Restricted to students in a business major.

**FIN 1379C: Independent Rsch in Finance**
- Fee: $40.00
- Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Finance 357 or 357H with a grade of at least C- and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.
- MTWTH 230-500P CBA 4.326 ALTI A

**FIN 337C: Independent Rsch in Finance**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in finance and consent of the graduate adviser; for 698B, Finance 698A.
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in finance and consent of the graduate adviser; for 698B, Finance 698A.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w698A: Thesis**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in finance and consent of the graduate adviser; for 698B, Finance 698A.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w698B: Thesis**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in finance and consent of the graduate adviser; for 698B, Finance 698A.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w398R: Master's Report**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in finance and consent of the supervising faculty member and the graduate adviser.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w399R: Dissertation**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and fulfillment of the language requirement for the doctoral degree.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w699R: Dissertation**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and fulfillment of the language requirement for the doctoral degree.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w699W: Dissertation**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: Finance 399R, 699R, or 999R.
- MTWTH 200P CBA 4.326 ALTI A

**FIN w999W: Dissertation**
- Fee: $40.00
- Hours to be arranged. Offered on the credit/no credit basis only. Prerequisite: Finance 399R, 699R, or 999R.
- MTWTH 200P CBA 4.326 ALTI A

**MIS w302F: Introduction to Info Tech MGMT-WB**
- Fee: $40.00
- Hours to be arranged. Explores how information technology helps to achieve competitive advantage and improve decision making, business processes, operations, and organizational design. Uses a cross-functional perspective to recognize the role of technology across business activities of management, finance, marketing, human resources, and operations. May not be counted toward the Bachelor of Business Administration degree. Restricted to students in a non-McCombs School of Business major. This online course has activities requiring student-generated video responses. Students must be able to record and upload video. Taught as a Web-based course.
- MTWTH 200P CBA 4.326 ALTI A

### Department of Information, Risk, and Operations Management

- Management Information Systems - MIS
- Operations Management - O M
- Risk Management - R M
- Statistics - STA

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Fee</th>
<th>Days</th>
<th>Room</th>
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<tr>
<td>MIS 302F</td>
<td>Introduction to Information Technology</td>
<td>$40.00</td>
<td>MTWTH</td>
<td>200P</td>
<td>Hallman, G</td>
</tr>
</tbody>
</table>
MIS 525 DATABASE MANAGEMENT fee: $40.00
Offered on the letter-grade basis only. Beginning and intermediate topics in data modeling for relational database management systems. Restricted to students in the McCombs School of Business.
• 71870 MTWTH 1200 - 200P UTC 1.118 MOTE, J

MIS 5379 INDEP RSCH IN MGMT INFO SYS fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government and Society 179, 379; Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen hours of coursework in business and economics, six of which must be upper-division; Management Information Systems 304 and 325 with a grade of at least B- in each, and consent of instructor; and written approval before the first meeting of the course from the department chair's office, on forms provided for that purpose.
• 71575

MIS w69B A THESIS fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 69BA, standing in information, risk, and operations management and consent of the graduate advisor; for 69BB, Management Information Systems 69A.
• 71880

MIS w69B B THESIS fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 69BA, standing in information, risk, and operations management and consent of the graduate advisor; for 69BB, Management Information Systems 69A.
• 71885

MIS w399 R MASTERS REPORT fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in information, risk, and operations management and consent of the supervising faculty member and the graduate advisor.
• 71890

MIS w399 R DISSERTATION fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and fulfillment of the language requirement for the doctoral degree.
• 71895

MIS w699 R DISSERTATION fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and fulfillment of the language requirement for the doctoral degree.
• 71900

MIS w999 R DISSERTATION fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and fulfillment of the language requirement for the doctoral degree.
• 71910

MIS w399 W DISSERTATION fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Management Information Systems 399R, 699R, or 999R.
• 71915

MIS w699 W DISSERTATION fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Management Information Systems 399R, 699R, or 999R.
• 71920

MIS w301 INTRO TO INFO TECHNOLOGY MGMT fee: $40.00
Offered on the letter-grade basis only. Explores how information technology helps to achieve competitive advantage and improve decision making, business processes, operations, and organizational design. Uses a cross-functional perspective to recognize the role of technology across business activities of management, finance, marketing, human resources, and operations. Management Information Systems 301 and 301H may not both be counted. Restricted to students in the McCombs School of Business.
• 71925 MTWTH 1200 - 200P CBA 4.328 GRAY, K

MIS w379 INDEP RSCH IN MGMT INFO SYS fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government and Society 179, 379; Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen hours of coursework in business and economics, six of which must be upper-division; Management Information Systems 304 and 325 with a grade of at least B- in each, and consent of instructor; and written approval before the first meeting of the course from the department chair's office, on forms provided for that purpose.
• 71930

MIS s318N DATA ANALYTICS PROGRAMMING fee: $40.00
Course number may be repeated for credit when the topics vary. Selected topics in information technology and management of information systems development. Prerequisite: Graduate standing.
• 71935 MTWTH 200 - 400P GB 5.142A AIZIZ, A

O M 535 OPERATIONS MANAGEMENT-CHN fee: $40.00
Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. The operations or production function and its skills required for analyzing and solving related problems. Operations Management 335 and 335H may not both be counted. Restricted to students in a business major. Prerequisite: Credit or registration for Business Administration 324 or 324H and credit or registration for Statistics 309 or 309H. Class meets June 9-July 10. Faculty-led Abroad Program taught in Hong Kong, China. Students must consult with department and travel and orientation dates may be in addition to these dates.
• 71995

O M 5179 INDEP RSCH IN OPERATIONS MGMT fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government, & Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 336H, Operations Management 335 or 335H with a grade of at least C-; consent of instructor; and written approval before the first meeting of the course from the department chair's office on forms available for that purpose.
• 72000

O M 535 OPERATIONS MANAGEMENT fee: $40.00
Offered on the letter-grade basis only. The operations or production function and the skills required for analyzing and solving related problems. Operations Management 335 and 335H may not both be counted. Restricted to students in a business major. Prerequisite: Credit or registration for Business Administration 324 or 324H and credit or registration for Statistics 309 or 309H.
• 72005 MTWTH 1000 - 1200 UTC 3.124 MOHAPATRA, C

O M s335 INDEP RSCH IN OPERATIONS MGMT fee: $40.00
Offered on the letter-grade basis only. The operations or production function and the skills required for analyzing and solving related problems. Operations Management 335 and 335H may not both be counted. Restricted to students in a business major. Prerequisite: Credit or registration for Business Administration 324 or 324H and credit or registration for Statistics 309 or 309H.
• 72010

O M s379 INDEP RSCH IN OPERATIONS MGMT fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government, & Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 336H, Operations Management 335 or 335H with a grade of at least C-; consent of instructor; and written approval before the first meeting of the course from the department chair's office on forms available for that purpose.
• 72015

R M s379 INDEP RSCH IN RISK MANAGEMENT fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business Government and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 336H, Operations Management 335 or 335H with a grade of at least C-; consent of instructor; and written approval before the first meeting of the course from the department chair's office on forms available for that purpose.
• 72015
STA I371G

STATISTICS AND MODELING  
fee: $40.00

Offered on the letter-grade basis only. Focuses on methods used to model and analyze data. Explores multiple regression models and their application in the functional areas of business, time-series models, decision analysis and the value of information, and simulation-based methods. Only one of the following may be counted: Statistics 371G, 371H, 375H. Restricted to students in a McCombs School of Business major. Prerequisite: Eighteen semester hours of coursework in business and economics, including Risk Management 357E; consent of instructor; written approval before the first meeting of the course from the department chair's office, on forms provided for that purpose.  
* 72070

STA s380

17-PREDICTIVE MODELING  
fee: $40.00

Course number may be repeated for credit when the topics vary. Selected topics in the applications of statistical methods to business problems. Introduction to statistical methods for prediction including regression analysis, logistic and multinominal regression, classification and regression trees, bias-variance trade-off, cross validation, variable selection, principal component regression and partial least squares regression. Prerequisite: Graduate standing; additional prerequisites vary with the topic.  
* 72130 MTHW 1000 - 1200 GSB 5.142A CARVALHO, C

DEPARTMENT OF MANAGEMENT

Management - MAN

MAN I320F

FOUNDATIONS OF ORG BEHAV & ADMIN-WB  
fee: $40.00

Hour(s) to be arranged. An introduction to the management of organizations. Issues are addressed from the perspectives of strategy and planning, organizational behavior, and operations management. May not be counted toward the Bachelor of Business Administration degree. Restricted to non-McCombs School of Business majors. Prerequisite: Upper-division standing. Taught as a Web-based course.  
* 72185

MAN I336

ORGANIZATIONAL BEHAVIOR  
fee: $40.00

The process of managing organizations and the behavior of individuals and groups within the organizational setting. Management 336 and 336H may not both be counted. Restricted to students in a business major. Prerequisite: Credit or registration for Business Administration 324 or 324H; and credit or registration for three semester hours of coursework in anthropology, psychology, or sociological.  
* 72190 MTHW 1000 - 1200 CBA 4.348 KIM, Y

MAN I336H

ORGANIZATIONAL BEHAVIOR: HONORS-ARG  
fee: $40.00

Hour(s) to be arranged. Prerequisite: Permission to register for this class. An exploration of the process of managing organizations and the behavior of individuals and groups within the organizational setting. Management 336 and 336H may not both be counted. Restricted to students admitted to the McCombs School of Business Honors Program. Prerequisite: Accounting 312H; credit or registration for Business Administration 324 or 324H; and thirty semester hours of coursework, including credit or registration for three semester hours of coursework in anthropology, psychology, or sociology. Class meets June 1-7. Faculty-led Abroad Program taught at the Universidad de San Andres in Buenos Aires, Argentina. Students must consult with department as travel and orientation dates may be in addition to these dates.  
* 72195 PASSOVOY, D

MAN I337

ENTREPRENEURIAL MANAGEMENT  
fee: $40.00

Course number may be repeated for credit when the topics vary. Analysis of contemporary management problems. Covers the life cycle of an entrepreneurial business, including evaluating the attractiveness of an idea, launching and growing the business, and harvesting the profits. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Management 337 and Operations Management 337 may not both be counted unless the topics vary. Restricted to students in a business major. Prerequisite: Varies with the topic and is given in the Course Schedule. Additional prerequisite: Accounting 311 or 311H; Management 336 or 336H with a grade of at least C-; and credit or registration for Finance 357 or 357H.  
* 72200 MTHW 200 - 400P CBA 5.328

MAN I379C

INDEPENDENT RSRCH IN MANAGEMENT  
fee: $40.00

Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business, Government, and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a McCombs School of Business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 336H with a grade of at least C-; consent of instructor; written approval before the first meeting of the course from the department chair's office on forms provided for that purpose.  
* 72205

MAN I383

ADVOCACY & LEADERSHIP SKILLS  
fee: $40.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Restricted to students in the Executive MBA program. Class meets April 25-28; May 1-2, 8-9; and 16.  
* 72215 DALY, J

MAN n383

LEADING PEOPLE AND ORG-MEX  
fee: $40.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Designed to increase the student's effectiveness as a manager through discussions of organizational behavior and design, and guidelines for applying these concepts. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisite: Admission to the McCombs School of Business. Restricted to cohort II students in the MBA Program in Houston. Taught at UT Health Science Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27.  
* 72220 DALY, J

20/ART/SCI OF NEGOTIATION-I-HOU  
fee: $40.00

Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisite: Admission to the McCombs School of Business. Restricted to cohort I students in the MBA Program in Houston. Taught at UT Health Science Center, School of Nursing in Houston, Texas. Class meets May 8-9, 15-16; and June 5-6, 12-13, 26-27.  
* 72230 DIERKING, D

20/ART/SCI OF NEGOTIATION-II-HOU  
fee: $40.00

Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisite: Admission to the McCombs School of Business. Restricted to students in the Executive MBA program. Class meets May 26-August 11.  
* 72235 T 600 - 915P GSB 3.138 AMANATULLAH, E

MAN I385

INTERNATIONAL OPERATIONS & MGMT  
fee: $40.00

Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Offered on the letter-grade basis only; these are identified in the Course Schedule. Restricted to students in the Executive MBA program. Class meets with I B 395.  
* 72240 MW 130 - 530P CBA 4.344 GILLESPIE, K

22/NEW VENTURE CREATION  
fee: $40.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Restricted to students in the Executive MBA program. Class meets April 25; May 2, 15, 29-30; June 6, 13, and 20.  
* 72245 ADAMS, R

MAN w698A

THESIS  
fee: $40.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in management and consent of the supervising faculty member and the graduate advisor; for 698B, Management 698A.  
* 72250
MAN w698B  
**THESIS**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN w398R  
**Masters’ REPORT**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN w399R  
**DISSERTATION**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN w999R  
**DISSERTATION**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN s374  
**GENERAL MANAGEMENT & STRATEGY**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN s379C  
**INDEPENDENT RSCH IN MANAGEMENT**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; while others are offered on the credit/no credit basis only; these sections are identified in the Course Schedule. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Management 336 or 324H, and credit or registration for Statistics 309 or 309H.

MAN s383  
**20-ART AND SCI OF NEGOTIATION**  
Fee: $40.00  
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter grade basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Additional prerequisites: Admission to the McCombs School of Business.
may be required for some topics; these are given in the Course Schedule. Class meets June 1-4; July 2. Faculty-led study abroad program taught in Paris, France. Students must consult with department as travel and orientation dates may be in addition to these dates. meets with I B 320F.

**MKT 179C**
**INDEP RESEARCH IN MARKETING**
fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business, Government, and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Marketing 337 or 337H with a grade of at least C-; and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.

**MKT 379C**
**INDEP RESEARCH IN MARKETING**
fee: $40.00
Hour(s) to be arranged. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business, Government, and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Marketing 337 or 337H with a grade of at least C-; and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.

**MKT w698A**
**THESIS**
fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in marketing and consent of the graduate advisor; for 698B, Marketing 698A.

**MKT w698B**
THESIS
fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698B, graduate standing in marketing and consent of the graduate advisor; for 698B, Marketing 698A.

**MKT w398R**
**MASTER'S REPORT**
fee: $40.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in marketing and consent of the supervising faculty member.

**MKT w399R**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**MKT w699R**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**MKT w999R**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Marketing 399R, 699R, or 999R.

**MKT w399W**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Marketing 399R, 699R, or 999R.

**MKT w699W**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Marketing 399R, 699R, or 999R.

**MKT w999W**
**DISSERTATION**
fee: $40.00
Offered on the credit/no credit basis only. Prerequisite: Marketing 399R, 699R, or 999R.

**MKT s320F**
**FOUNDATIONS OF MARKETING**
fee: $40.00
Introduction to basic concepts and terminology in marketing: the process of developing marketing strategies, the role of marketing activities within the firm, external influences that affect the development of marketing strategy, and basic analytical tools appropriate to marketing decision making. May not be counted toward the Bachelor of Business Administration degree. Restricted to non-McCombs School of Business majors. Prerequisite: Upper-division standing.

**MKT s179C**
**INDEP RESEARCH IN MARKETING**
fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business, Government, and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Marketing 337 or 337H with a grade of at least C-; and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.

**MKT s379C**
**INDEP RESEARCH IN MARKETING**
fee: $40.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Only two of the following may be counted toward the Bachelor of Business Administration: Accounting 179C, 379C, Business, Government, and Society 179, 379, Finance 179C, 379C, International Business 179C, 379C, Legal Environment of Business 179, 379, Management 179C, 379C, Management Information Systems 179, 379, Marketing 179C, 379C, Operations Management 179, 379, Real Estate 179C, 379C, Risk Management 179, 379. Restricted to students in a business major. Prerequisite: Eighteen semester hours of coursework in business and economics, six of which must be upper-division; Marketing 337 or 337H with a grade of at least C-; and consent of instructor. A student registering for this course must obtain written approval from the department chair's office, on forms provided for that purpose, before the first meeting of the course.

**STC w380**
**CONVERTING TECHNOLOGY TO WEALTH**
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. The process of commercialization through which knowledge (ideas, innovations, science, technology, talent, and expertise) is converted to wealth. The importance of technology innovation and commercialization to the economy of a country. Students perform a technology assessment. Prerequisite: Graduate standing and admission to the technology commercialization program. Restricted to students in the Technology Commercialization program. Mandatory seminar April 27-May 2 at AT&T Conference Center. Class meets May 16,30; June 13,27; July 11,25; and August 8.

**STC w382**
**MARKETING TECHNOLOGY INNOVATIONS**
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Marketing and persuasion in the process of taking a technology from idea to market. Examines marshaling support for technology development, matching technologies with market needs, and launching a product. Students develop a proposal and a marketing plan for taking a product to market. Prerequisite: Graduate standing and admission to the technology commercialization program. Restricted to students in the Technology Commercialization program. Mandatory seminar April 27-May 2 at AT&T Conference Center. Class meets May 15,29; June 12,26; July 10,24; and August 7.

**STC w386**
**MARKETING TECHNOLOGY INNOVATIONS**
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Marketing and persuasion in the process of taking a technology from idea to market. Examines marshaling support for technology development, matching technologies with market needs, and launching a product. Students develop a proposal and a marketing plan for taking a product to market. Prerequisite: Graduate standing and admission to the technology commercialization program. Restricted to students in the Technology Commercialization program. Mandatory seminar April 27-May 2 at AT&T Conference Center. Class meets May 16,30; June 13,27; July 11,25; and August 8.

**1-FINANCING NEW VENTURES**
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. The process of technology commercialization, managing technology, and other topics that include the commercialization of technology. Methods for determining capital requirements and ways of crafting financial and fund-raising strategies. Forms of financing, including angels and informal investors, venture capital, debt capital, and inside and outside equity. Prerequisite: Graduate standing and admission to the technology commercialization program. Restricted to students in the Technology Commercialization program. Mandatory seminar April 27-May 2 at AT&T Conference Center. Class meets May 15,29; June 12,26; July 10,24; and August 7.

**1-FINANCING NEW VENTURES**
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Course
number may be repeated for credit when the topics vary. The process of technology commercialization, managing technology, and other topics that include the commercialization of technology. Methods for determining capital requirements and ways of crafting financial and fund-raising strategies. Forms of financing, including angels and informal investors, venture capital, debt capital, and inside and outside equity. Prerequisite: Graduate standing and admission to the Technology Commercialization program. Restricted to students in the Technology Commercialization program. Mandatory Seminar April 27-May 2 at AT&T Conference Center. Class meets May 16,30; June 13,27; July 11,25; and August 8.

• 72605 S 200 - 600P GSB 3.130 BADOLATO, P

PROBLEMS IN SPECIALIZED FIELDS

Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Graduate standing and admission to the technology commercialization program.

• 72610

STC w389

• 72620

PROBLEMS IN SPECIALIZED FIELDS

Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Graduate standing and admission to the technology commercialization program.

• 72630

STC w399}

COLLEGE OF COMMUNICATION

COMMUNICATION

Communication - COM

COM w324 WORKING HOLLYWOOD WRITER-LA fee: $51.00

Hour(s) to be arranged. Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to communication and the entertainment industries, including studies in the business of entertainment, the creative process, and contemporary Hollywood cinema. Explores the commercial challenges that face producers and network and studio executives, and the continual struggle between creativity and the bottom line. Taught in Los Angeles, California. Restricted to students admitted to the Semester in Los Angeles Program. Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, and a University grade point average of at least 2.25. Taught in Los Angeles, California. meets with RTF 348.

• 72665 PARKS, R

1-HOW HOLLYWOOD WORKS-LA fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to communication and the entertainment industries, including studies in the business of entertainment, the creative process, and contemporary Hollywood cinema. Explores the commercial challenges that face producers and network and studio executives, and the continual struggle between creativity and the bottom line. Taught in Los Angeles, California. Restricted to students admitted to the Semester in Los Angeles Program. Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, and a University grade point average of at least 2.25. Taught in Los Angeles, California. same as RTF 347C.

• 72670

2-DEVEL PROCESS OF FILM/TV-LA fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to communication and the entertainment industries, including studies in the business of entertainment, the creative process, and contemporary Hollywood cinema. Explores the development process in both film and television: preparing pitches, coverage, and development notes; identifying strengths and weaknesses of literary material typical of that submitted to studios, networks, and production companies. Taught in Los Angeles, California. Only one of the following may be counted: Communication 324 (Topic: Development Process of Film and Television), 324 (Topic 2), Radio-Television-Film 348 (Topic: Development Process of Film and Television), 348 (Topic 2). Restricted to students admitted to the Semester in Los Angeles Program. Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, and a University grade point average of at least 2.25. Taught in Los Angeles, California. same as RTF 348 (TOPIC 2).

• 72675 KEREW-SHAW, D

3-INSIDE MUSIC INDUSTRY-LA fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to communication and the entertainment industries, including studies in the business of entertainment, the creative process, and contemporary Hollywood cinema. Explores the commercial challenges that face producers and network and studio executives, and the continual struggle between creativity and the bottom line. Taught in Los Angeles, California. Restricted to students admitted to the Semester in Los Angeles Program. Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, and a University grade point average of at least 2.25. Taught in Los Angeles, California. meets with RTF 348.

• 72680 FERRANTE, D

4-NEW MEDIA/EMERG ENTRNTMT-LA fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to communication and the entertainment industries, including studies in the business of entertainment, the creative process, and contemporary Hollywood cinema. Explores the commercial challenges that face producers and network and studio executives, and the continual struggle between creativity and the bottom line. Taught in Los Angeles, California. Restricted to students admitted to the Semester in Los Angeles Program. Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, and a University grade point average of at least 2.25. Taught in Los Angeles, California. same as RTF 348 (TOPIC 4).

• 72685 FINO, J

COM w350 COMMUNICATION INTERNSHIP fee: $51.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Practical work experience related to the student's area of interest in the communication field. May not be taken by students who have credit for any three-semester-hour communication internship course. Restricted to students in the College of Communication. Prerequisite: Completion of the prerequisite for the three-semester-hour internship course in the student's major department. See headnote.

• 72690

COM w350L SEM IN LOS ANGELES INTRNSHP-LA fee: $51.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Practical work experience in the entertainment industry in Los Angeles. Prerequisite: Upper-division standing; three hours of lower-division coursework in radio-television-film, admission to the Se-
mester in Los Angeles program, and a University grade point average of at least 2.25. Taught in Los Angeles, California, meets with RTF 330L.

**COM w178**

COMMUNICATION INTERNSHIP  fee: $17.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Practical work experience related to the student's area of interest in the communication field. May be repeated, but only one hour may be counted toward a degree in the College of Communication. Restricted to students in the College of Communication. Prerequisite: Completion of a three-hour internship course in the College of Communication. See headnote.

• 72705

**COM s325**

GLOBAL MEDIA LITERACY-AUT  fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Contemporary issues, practices, and skills related to leadership and communica-

tion. Restricted to students in the College of Communication. Prerequisite: Upper-
division standing. Topic title: Global media literacy: Information and activism across borders, cultures and divides. Topic description: Students will explore how digital media technologies are shaping civic engagement, activism, and innovation in a global media age. Specifically, course will examine how distinctive global media shape views of politics, culture and society within nations, across regions and internationally. Taught in Salzburg, Austria. Students must consult with department as additional travel and orientation dates may apply.

• 72705

**DEPARTMENT OF ADVERTISING**

Advertising - ADV

Public Relations - P R

**ADV 135**

HISTORY & DEVELOP OF ADV-WB  fee: $51.00

The evolution and development of advertising in the United States in a social, histori-

cal, economic, and cultural context. Taught as a Web-based course.

• 72760 MTH 500 - 845P ATKINSON, L

**ADV 158J**

INTRO TO ADV/INTEGRATE BRAND COMM  fee: $78.78

Additional hour(s) to be arranged. The functions of advertising; role in market-
ing/communications mix; economic and social influence; advertising institutions and media; campaigns and appropriations; retail and business-to-business aspects. Students may not enroll in Advertising 158J more than twice.

• 72765 MTTHF 1000 - 1130 BMC 1.202 WILCOX, G

**ADV 225**

INTRO ADVERTISING CREATIV-WB  fee: $76.75

Development of concepts and problem-solving techniques for print and broadcast ad-

vertising design and copywriting. Restricted to advertising and public relations majors. Prerequisite: Advertising 215J with a grade of at least B. Taught as a Web-based course.

• 72770 TTH 1145 - 330P ROMERO, J

**ADV 244K**

ADVERTISING RESEARCH-WB  fee: $99.00

Introduction to social science research methods as used in advertising and marketing, emphasis on survey research and secondary data. Prerequisite: Upper-
division standing; Advertising 215J with a grade of at least B; and Advertising 309P, Public Rela-

tions 309, Statistics 309, or Statistics and Data Sciences 306 (or Statistics and Scien-
tific Computation 306) with a grade of at least C; advertising majors must also have credit or registration for Advertising 325 with a grade of at least C. Taught as a Web-

based course.

• 72775 MWF 1000 - 1230P EASTIN, M

**ADV 345J**

ADVERTISING MEDIA PLANNING-WB  fee: $170.00

Media characteristics and media-market measurements; development of media plans. Prerequisite: Upper-
division standing; Advertising 318J with a grade of at least B; and Advertising 309P, Public Relations 309, Statistics 309, or Statistics and Data Sciences 306 (or Statistics and Scientific Computation 306) with a grade of at least C; advertising majors must also have credit with a grade of at least C or registration for Advertising 325, Taught as a Web-based course.

• 72780 MTTHF 800 - 930 DOBIAS, L

**ADV w350**

ADVERTISING INTERNSHIP  fee: $159.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Practical work experiences in advertising sales, creative management, and research with advertisers, agencies, media, or auxiliary services. Prerequisite: Advertising 344J and 345J with a grade of at least C in each.

• 72787

**ADV w350S**

INTERNSHIP IN SPORTS MEDIA  fee: $51.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Practical work experience in sports media. Internship to be arranged by student and approved by instructor. May not be counted toward the Bachelor of Science in Advertising or the Bachelor of Sci-

cence in Public Relations degrees. Restricted to Texas Program in Sports and Media students. Prerequisite: Upper-
division standing; a University grade point average of at least 2.25; Advertising 305S or Public Relations 305S; and three additional hours from the Sports Media Certificate approved coursework list, same as P R 350S.

• 72787

**ADV w151**

ADVERTISING PRACTICUM  fee: $51.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Prerequisite: Advertising 350 or 498K, consent of departmental internship coordinator, and completion of departmental requirements for enrollment in an internship course.

• 72790

**ADV IS70J**

INTEGRATED COMMUNICATIONS MGMT  fee: $96.00

Cases and problems dealing with the management of advertising and promotional programs; media and creative strategies; consumer, retail, industrial, and public ser-

vice applications. Advertising 370J and Public Relations 367 may not both be counted. Prerequisite: Advertising 344K and 345J with a grade of at least C in each; and Mar-

tketing 320F or 337 with a grade of at least C. Meets with P R 367.

• 72795 MWF 1030 - 100P BMC 4.208

**ADV IS73**

INTEGRATED COMM CAMPAIGNS-WB  fee: $51.00

Additional hour(s) to be arranged. Concept of media mix; matching product, consum-

er, media profiles; conception, research, planning, and execution of advertising cam-

paigns; special emphasis on advanced copywriting, layout, and production for print and broadcast media. Only one of the following may be counted: Advertising 373J, 373H, Public Relations 377H, 377K. Prerequisite: Advertising 370J. Taught as a Web-

based course. Meets with P R 377K.

• 72800 MWF 1130 - 200P CLOE, A

**ADV IS78**

HEALTH COMMUNICATION-WB  fee: $51.00

Course number may be repeated for credit when the topics vary. Prerequisite: Upper-
division standing, and a University grade point average of at least 2.25. Additional pre-

requisites vary with the topic. Taught as a Web-based course.

• 72805 TTH 1000 - 200P MACKERT, M

**ADV w179J**

1-SUPV INDIV SPECIAL STUDIES  fee: $17.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Supervised individual special studies for which separate courses are not availa-

ble. Prerequisite. Written consent of instructor received prior to registering.

• 72810

**ADV IS87**

INTRO ADVERTISING CREATIV-WB  fee: $131.00

The process of developing creative concepts and their effective execution. Prereq-

quisite: Graduate standing and consent of instructor and the graduate adviser. Taught as a Web-based course.

• 72815 TTH 1145 - 330P ROMERO, J

**ADV w389**

PROBLEMS IN SPEC FIELDS OF ADV  fee: $51.00

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Research project chosen from the area of the student's major interest; a written report or creative project is required. Students who take Advertising 189 must register for a topic of 189 for three consecutive semesters. Prerequisite. Graduate standing, consent of instructor, and written consent of the graduate adviser received prior to reg-

istering.

• 72820

**ADV IS91K**

HEALTH COMMUNICATION  fee: $56.15

Course number may be repeated for credit when the topics vary. Survey and analysis of current advertising issues and practices. Prerequisite. Graduate standing. Taught as a Web-based course.

• 72825 TTH 1000 - 200P MACKERT, M

**ADV w395**

ADVERTISING INTERNSHIP  fee: $51.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Practical work expe-

rience in advertising sales, creative management, and research with advertisers, agencies, media, or auxiliary services. Prerequisite: Graduate standing; Advertising 380, 385, and 387 with a grade of at least B in each; and a University grade point av-

erage of at least 3.00.

• 72830

CUNNINGHAM, J

**ADV w698A**

THESIS  fee: $51.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in advertising and written consent of the supervising faculty member and the graduate adviser received prior to registering; for 698B, Advertising 698A and written consent of the supervising faculty member and the graduate adviser received prior to registering.

• 72830

CUNNINGHAM, J

**ADV w698B**

THESIS  fee: $51.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in advertising and written consent of the supervising faculty member and the graduate adviser received prior to registering; for 698B, Advertising 698A and written consent of the supervising faculty member and the graduate adviser received prior to registering.

• 72840

**ADV w398R**

Masters' Report  fee: $51.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a re-

port to fulfill the requirements for the master's degree under the report option. Prereq-

quisite: Graduate standing in advertising and written consent of the supervising faculty member and the graduate adviser received prior to registering.

• 72845

**ADV w399R**

Dissertation  fee: $51.00

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of the graduate adviser received prior to register-

ing.

• 72850
## DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

**Communication Sciences and Disorders - CSD**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
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<td>CSD f313L</td>
<td>HEARING SCIENCE-WB</td>
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<td>PRINS AURAL REHABILITATION-WB</td>
<td>JIN, S</td>
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<tr>
<td>CSD w178K</td>
<td>STDS IN COMM SCI AND DISORDERS</td>
<td>ZAPP, A</td>
<td>$17.00</td>
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</tbody>
</table>

### PUBLIC RELATIONS TECHNIQUES-WB

- **Course:** Public Relations Techniques-WB
- **Fee:** $116.00
- **Description:** Analysis and production of print, electronic, and oral messages to achieve organizational objectives; fundamentals of media relations; Internet applications. Prerequisite: Upper division standing; Advertising 318U, and Journalism 315 or Public Relations 317 with a grade of at least C. Taught as a Web-based course.

- **Course:** Public Relations Problems
  - **Fee:** $51.00
  - **Description:** Hour(s) to be arranged. Prerequisite: Public Relations 352.

### ADV & PR LAW & ETHICS-WB

- **Course:** Advanced & Public Relations Law & Ethics-WB
  - **Fee:** $51.00
  - **Description:** Only one of the following may be counted: Advertising 353, 371J, 376, Public Relations 353, 371J, 376. Fulfills the communication and culture requirement in the College of Communication. Restricted to advertising and public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course. Same as P R 353.

### INTEGRATED COMMUNICATION MGMT-WB

- **Course:** Integrated Communication Management-WB
  - **Fee:** $96.00
  - **Description:** Cases and problems dealing with the management of advertising and promotional programs; media and creative strategies; consumer, retail, industrial, and public service applications. Advertising 370U and Public Relations 367 may not both be counted. Prerequisite: Advertising 344K and 345J with a grade of at least C in each; and Marketing 320F or 337 with a grade of at least C. Taught as a Web-based course. Meets with P R 367.

### PUBLIC RELATIONS PROBLEMS

- **Course:** Public Relations Problems
  - **Fee:** $51.00
  - **Description:** Hour(s) to be arranged. Conference course of intensive study, planned by the Advertising Honors Committee; research and the writing of a substantial paper on a special public relations topic. Prerequisite: Admission to the departmental honors program and consent of the undergraduate adviser.

### PUBLIC RELATIONS INTERNSHIP

- **Course:** Public Relations Internship
  - **Fee:** $51.00
  - **Description:** Internship to be arranged by student and approved by instructor. May not be counted toward the Bachelor of Science in Advertising or the Bachelor of Science in Public Relations degrees. Restricted to Texas Program in Sports and Media students. Prerequisite: Upper-division standing; a University grade point average of at least 2.25, Advertising 335U or Public Relations 335U, and three additional hours from the Sports Media Certificate approved coursework list, same as ADV 335U.

### WRITING FOR PUBLIC RELATIONS-WB

- **Course:** Writing for Public Relations-WB
  - **Fee:** $51.00
  - **Description:** Laboratory hour(s) to be arranged. Introduction to writing for the media, including readability, clarity, verification, and style. Restricted to public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course.

### INTEGRATED COMM CAMPAIGNS-WB

- **Course:** Integrated Communication Campaigns-WB
  - **Fee:** $51.00
  - **Description:** Concept of media mix; matching product, consumer, media profiles; conception, research, planning, and execution of advertising campaigns; special emphasis on advanced copywriting, layout, and production for print and broadcast media. Only one of the following may be counted: Advertising 373, 373H, Public Relations 377H, 377K. Prerequisite: Advertising 370U. Taught as a Web-based course. Meets with P R 377K.

### 20-ACCOUNT PLANNING

- **Course:** 20-Account Planning
  - **Fee:** $51.00
  - **Description:** Course number may be repeated for credit when the topics vary. Additional prerequisite: Advertising 344K and 345J.

### ADV & PR LAW & ETHICS

- **Course:** Advanced & Public Relations Law & Ethics
  - **Fee:** $51.00
  - **Description:** Only one of the following may be counted: Advertising 353, 371J, 376, Public Relations 353, 371J, 376. Fulfills the communication and culture requirement in the College of Communication. Restricted to advertising and public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course. Same as P R 353.

### ADV & PR LAW & ETHICS

- **Course:** Advanced & Public Relations Law & Ethics
  - **Fee:** $51.00
  - **Description:** Only one of the following may be counted: Advertising 353, 371J, 376, Public Relations 353, 371J, 376. Fulfills the communication and culture requirement in the College of Communication. Restricted to advertising and public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course. Same as P R 353.

### INTEGRATED COMM CAMPAIGNS

- **Course:** Integrated Communication Campaigns
  - **Fee:** $51.00
  - **Description:** Concept of media mix; matching product, consumer, media profiles; conception, research, planning, and execution of advertising campaigns; special emphasis on advanced copywriting, layout, and production for print and broadcast media. Only one of the following may be counted: Advertising 373, 373H, Public Relations 377H, 377K. Prerequisite: Advertising 370U. Taught as a Web-based course. Meets with P R 377K.

### 20-ACCOUNT PLANNING

- **Course:** 20-Account Planning
  - **Fee:** $51.00
  - **Description:** Course number may be repeated for credit when the topics vary. Additional prerequisite: Advertising 344K and 345J.

### WRITING FOR PUBLIC RELATIONS

- **Course:** Writing for Public Relations
  - **Fee:** $51.00
  - **Description:** Laboratory hour(s) to be arranged. Introduction to writing for the media, including readability, clarity, verification, and style. Restricted to public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course.

### ADV & PR LAW & ETHICS

- **Course:** Advanced & Public Relations Law & Ethics
  - **Fee:** $51.00
  - **Description:** Only one of the following may be counted: Advertising 353, 371J, 376, Public Relations 353, 371J, 376. Fulfills the communication and culture requirement in the College of Communication. Restricted to advertising and public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course. Same as P R 353.

### ADV & PR LAW & ETHICS

- **Course:** Advanced & Public Relations Law & Ethics
  - **Fee:** $51.00
  - **Description:** Only one of the following may be counted: Advertising 353, 371J, 376, Public Relations 353, 371J, 376. Fulfills the communication and culture requirement in the College of Communication. Restricted to advertising and public relations majors. Prerequisite: Advertising 318U with a grade of at least B. Taught as a Web-based course. Same as P R 353.

### INTEGRATED COMM CAMPAIGNS

- **Course:** Integrated Communication Campaigns
  - **Fee:** $51.00
  - **Description:** Concept of media mix; matching product, consumer, media profiles; conception, research, planning, and execution of advertising campaigns; special emphasis on advanced copywriting, layout, and production for print and broadcast media. Only one of the following may be counted: Advertising 373, 373H, Public Relations 377H, 377K. Prerequisite: Advertising 370U. Taught as a Web-based course. Meets with P R 377K.

### 20-ACCOUNT PLANNING

- **Course:** 20-Account Planning
  - **Fee:** $51.00
  - **Description:** Course number may be repeated for credit when the topics vary. Additional prerequisite: Advertising 344K and 345J.
**STDS IN COMM SCI AND DISORDERS**

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<th>Title</th>
<th>Description</th>
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<td>CSD w278K</td>
<td>STDS IN COMM SCI AND DISORDERS</td>
<td>Fee: $34.00 Hour(s) to be arranged. Supervised individual research. May be repeated for credit with consent of the department chair. Only three semester hours may count toward a degree in the College of Communication. No more than three semester hours may be taken on the letter-grade basis. Restricted to communication sciences and disorders majors. Prerequisite: Upper-division standing; eighteen semester hours of coursework in communication sciences and disorders, including at least six hours of upper-division coursework; a University grade point average of at least 2.50; a grade point average in all College of Communication coursework of at least 3.00; and approval of a project in advance of registration.</td>
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<td>CSD f378K</td>
<td>STDS IN COMM SCI AND DISORDERS</td>
<td>Fee: $51.00 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Supervised individual research. May be repeated for credit with consent of the department chair. Only three semester hours may count toward a degree in the College of Communication. No more than three semester hours may be taken on the letter-grade basis. Restricted to communication sciences and disorders majors. Prerequisite: Upper-division standing; eighteen semester hours of coursework in communication sciences and disorders, including at least six hours of upper-division coursework; a University grade point average of at least 2.50; a grade point average in all College of Communication coursework of at least 3.00; and approval of a project in advance of registration.</td>
</tr>
<tr>
<td>CSD f280E</td>
<td>CONF CRS IN COMM SCI &amp; DISORD</td>
<td>Fee: $17.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.</td>
</tr>
<tr>
<td>CSD f285E</td>
<td>CONF CRS IN COMM SCI &amp; DISORD</td>
<td>Fee: $34.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.</td>
</tr>
<tr>
<td>CSD f290E</td>
<td>CONF CRS IN COMM SCI &amp; DISORD</td>
<td>Fee: $51.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.</td>
</tr>
<tr>
<td>CSD f381E</td>
<td>CLINICAL PRACTICUM</td>
<td>Fee: $42.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.</td>
</tr>
<tr>
<td>CSD f381L</td>
<td>CLINICAL PRACTICUM</td>
<td>Fee: $42.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.</td>
</tr>
<tr>
<td>CSD f381L</td>
<td>CLINICAL PRACTICUM</td>
<td>Fee: $79.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.</td>
</tr>
<tr>
<td>CSD f383L</td>
<td>CLINICAL PRACTICUM</td>
<td>Fee: $131.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.</td>
</tr>
</tbody>
</table>

**CLINICAL PRACTICUM**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD w381L</td>
<td>CLINICAL PRACTICUM</td>
<td>Fee: $131.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.</td>
</tr>
<tr>
<td>CSD f185C</td>
<td>CLIN PRACT PEDAT SP/LANG PATH</td>
<td>Fee: $17.00 Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing, Communication Sciences and Disorders 367K, or registration for Communication Sciences and Disorders 363D (Topic 2: Developmental Speech Disorders) or 363D (Topic 5: Developmental Language Disorders).</td>
</tr>
<tr>
<td>CSD f185C</td>
<td>CLIN PRACT PEDAT SP/LANG PATH</td>
<td>Fee: $17.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing, Communication Sciences and Disorders 367K, or registration for Communication Sciences and Disorders 393D (Topic 2: Developmental Speech Disorders) or 393D (Topic 5: Developmental Language Disorders).</td>
</tr>
<tr>
<td>CSD f185D</td>
<td>CLIN PRACT ADULT SPCH/LANG PATH</td>
<td>Fee: $17.00 Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Practicum in the prevention and treatment of speech and/or language disorders in adults. Restricted to master's in speech/language pathology. Prerequisite: Graduate standing, Communication Sciences and Disorders 367K, or registration for Communication Sciences and Disorders 393D (Topic 3: Acquired Language Disorders) or 393F (Topic 2: Acquired Speech Disorders); and at least three semester hours of graduate coursework in adult speech/language pathology.</td>
</tr>
<tr>
<td>CSD f286D</td>
<td>ASMT OF SPEECH/LANG DISORDERS</td>
<td>Fee: $34.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Differential diagnosis and assessment of communication disorders. Restricted to master's in speech/language pathology. Prerequisite: Graduate standing, Communication Sciences and Disorders 285C, or one hundred clinical clock hours. At least two semester hours of coursework in assessment in speech language pathology are recommended.</td>
</tr>
<tr>
<td>CSD f287E</td>
<td>SPEECH/LANG PATH EXTERNSHIP</td>
<td>Fee: $34.00 Additional hour(s) to be arranged. May be repeated for credit. Field placement in speech/language pathology. Restricted to master's students in speech/language pathology. Prerequisite: Graduate standing, Communication Sciences and Disorders 285C, 285D, and one hundred clinical clock hours.</td>
</tr>
<tr>
<td>CSD f187H</td>
<td>CLINIC PRACTICUM IN AUDIOLOGY</td>
<td>Fee: $17.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Practicum in prevention, assessment, and intervention in hearing disorders. Restricted to doctoral students in audiology. Prerequisite: Graduate standing; Communication Sciences and Disorders 185H, 285H, 385H, or one hundred clinical clock hours.</td>
</tr>
<tr>
<td>CSD f187H</td>
<td>CLINIC PRACTICUM IN AUDIOLOGY</td>
<td>Fee: $17.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Practicum in prevention, assessment, and intervention in hearing disorders. Restricted to doctoral students in audiology. Prerequisite: Graduate standing; Communication Sciences and Disorders 185H, 285H, 385H, or one hundred clinical clock hours.</td>
</tr>
<tr>
<td>CSD f387H</td>
<td>CLINIC PRACTICUM IN AUDIOLOGY</td>
<td>Fee: $51.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Practicum in prevention, assessment, and intervention in hearing disorders. Restricted to doctoral students in audiology. Prerequisite: Graduate standing; Communication Sciences and Disorders 185H, 285H, 385H, or one hundred clinical clock hours.</td>
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<tr>
<td>CSD f387H</td>
<td>CLINIC PRACTICUM IN AUDIOLOGY</td>
<td>Fee: $51.00 Additional hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Practicum in prevention, assessment, and intervention in hearing disorders. Restricted to doctoral students in audiology. Prerequisite: Graduate standing; Communication Sciences and Disorders 185H, 285H, 385H, or one hundred clinical clock hours.</td>
</tr>
</tbody>
</table>
CSD 190J BUSINESS APPLICATIONS-WB fee: $17.00 Hour(s) to be arranged. Issues associated with the development, operation, and management of businesses devoted to service delivery in audiology and speech-language pathology. Prerequisite: Graduate standing. Taught as a Web-based course.
  • 73165 ZAPPLER, A

CSD 394H AUDITORY REHABILITATION fee: $101.00 Acoustic, vocational, social, and psychological rehabilitation of the hearing-impaired child and adult. Prerequisite: Graduate standing, and Communication Sciences and Disorders 394C or consent of instructor.
  • 73190 TTH 900 - 1200 CMA 5.190 CAREY, A

CSD 397 CLIN EXTERNSHIP IN AUDIOLOGY fee: $51.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73195

CSD w397 CLIN EXTERNSHIP IN AUDIOLOGY fee: $51.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73200

CSD 697 CLIN EXTERNSHIP IN AUDIOLOGY fee: $102.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73205

CSD w697 CLIN EXTERNSHIP IN AUDIOLOGY fee: $102.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73210

CSD 997 CLIN EXTERNSHIP IN AUDIOLOGY fee: $153.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73215

CSD w997 CLIN EXTERNSHIP IN AUDIOLOGY fee: $153.00 Hour(s) to be arranged. May be repeated for credit. Intensive clinical experience in a work setting. Restricted to students in the Doctor of Audiology program. Prerequisite: Graduate standing and consent of instructor.
  • 73220

CSD 698A THESIS fee: $51.00 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in communication sciences and disorders and consent of the graduate adviser; for 698B, Communication Sciences and Disorders 698A.
  • 73225

CSD w698B THESIS fee: $51.00 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in communication sciences and disorders and consent of the graduate adviser; for 698B, Communication Sciences and Disorders 698A.
  • 73230

CSD w398R MASTER'S REPORT fee: $51.00 Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in communication sciences and disorders and consent of the graduate adviser.
  • 73235

CSD w399R DISSERTATION fee: $51.00 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
  • 73240

CSD w699R DISSERTATION fee: $102.00 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
  • 73245

CSD w999R DISSERTATION fee: $153.00 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
  • 73250

CSD w399W DISSERTATION fee: $51.00 Offered on the credit/no credit basis only. Prerequisite: Communication Sciences and Disorders 399R, 699R, or 999R.
  • 73255

CSD w699W DISSERTATION fee: $102.00 Offered on the credit/no credit basis only. Prerequisite: Communication Sciences and Disorders 399R, 699R, or 999R.
  • 73260

CSD w999W DISSERTATION fee: $153.00 Offered on the credit/no credit basis only. Prerequisite: Communication Sciences and Disorders 399R, 699R, or 999R.
  • 73265

CSD s318K ACQUIS OF COMM ABILS IN CHLDRN fee: $51.00 Introduction to assessment procedures and treatment strategies for children with speech and language disorders. Prerequisite: Communication Sciences and Disorders 306K or 308K with a grade of at least C, and Communication Sciences and Disorders 311K with a grade of at least C.
  • 73270 TW 600 - 700P SHENG, L

CSD s118L ACO OF COMM ABILS IN CHLD: LAB fee: $17.00 Hour(s) to be arranged. Clinical laboratory experience in child language. Prerequisite: Communication Sciences and Disorders 306K or 308K with a grade of at least C, and Communication Sciences and Disorders 311K with a grade of at least C.
  • 73275 SHENG, L

CSD s373 PRNALS AURAL REHABILITATION-WB fee: $101.00 Rationale, methods, materials, procedures, and criteria for aural rehabilitation for hearing-impaired persons. Prerequisite: Upper-division standing; the following coursework with a grade of at least C in each: Communication Sciences and Disorders 306K or 308K, 311K, 313L, 341, 352, and 358S; and a University grade point average of at least 2.25. Taught as a Web-based course.
  • 73277 TH 500 - 800P ZAPPLER, A

CSD s178K STDS IN COMM SCI AND DISORDERS fee: $17.00 Hour(s) to be arranged. Restricted enrollment: contact the department for permission to register for this class. Supervised individual research. May be repeated for credit with consent of the department chair. Only three semester hours may count toward a degree in the College of Communication. No more than three semester hours may be taken on the letter-grade basis. Restricted to communication sciences and disorders majors. Prerequisite: Upper-division standing; eighteen semester hours of coursework in communication sciences and disorders, including at least six hours of upper-division coursework; a University grade point average of at least 2.50; a grade point average in all College of Communication coursework of at least 3.00; and approval of a project in advance of registration.
  • 73280

CSD s180E CONF CRS IN COMM SCI & DISORD fee: $17.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student’s opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.
  • 73285

CSD s280E CONF CRS IN COMM SCI & DISORD fee: $34.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student’s opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.
  • 73290

CSD s380E CONF CRS IN COMM SCI & DISORD fee: $51.00 Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication sciences and disorders designed to expand the graduate student’s opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.
  • 73295

CSD s181L CLINICAL PRACTICUM fee: $42.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.
  • 73300

CSD s281L CLINICAL PRACTICUM fee: $79.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.
  • 73305

CSD s381L CLINICAL PRACTICUM fee: $131.00 Hour(s) to be arranged. May be repeated for credit. Supervised practicum in speech/language pathology or audiology. Prerequisite: Admission to the graduate program in speech/language pathology or audiology.
  • 73310

CSD s187H CLINICAL PRACTICUM IN AUDIOLOGY fee: $17.00 Additional hour(s) to be arranged. Restricted enrollment: contact the department for permission to register for this class. May be repeated for credit. Practicum in prevention, assessment, and intervention in hearing disorders. Restricted to doctoral students in audiology. Prerequisite: Graduate standing; Communication Sciences and Disorders 185H, 285H, or 385H; and one hundred clinical clock hours.
  • 73315 TH 800 - 900 CMA 2.254 BALASH, J
DEPARTMENT OF COMMUNICATION STUDIES

Communication Studies - CMS

CMS F332K THEORIES OF PERSUASION fee: $60.00
A study of motivational factors involved in persuasive speaking to secure belief and action. Prerequisite: Upper-division standing.

CMS F342K POLITICAL COMMUNICATION-WB fee: $53.00
Hour(s) to be arranged. A study of the role of symbols in political communication and the techniques and strategies employed by politicians; special attention is given to recent election campaigns. Prerequisite: Upper-division standing. Taught as a Web-based course.

CMS F344K LYING AND DECEPTION fee: $53.00
Examines lying and deception as civil, strategic, and manipulative behavior. Secrets, privacy, disclosures, and confidentiality are examined in a variety of familiar contexts. Communication Studies 344K and 367 (Topic: Lying and Deception) may not both be counted. Prerequisite: Upper-division standing.

CMS F359H HONORS TUTORIAL CRS. READING fee: $51.00
Hour(s) to be arranged. Intensive reading and research as planned by the departmental honors committee. Prerequisite: Upper-division standing and admission to the Communication Studies Honors Program.

CMS F366F RHETORIC OF FILM fee: $51.00
Film theory and history taught from a rhetorical perspective. Covers the film industry, technology, and the elements of narrative, image, and sound. Emphasis on the history of film and film criticism. Communication Studies 366F and 367 (Topic: Rhetoric of Film) may not both be counted. Prerequisite: Upper-division standing, meets with CMS 369P.

CMS W370K INTERNSHIP IN COMM STUDIES-WB fee: $53.00
Hour(s) to be arranged. Internship: Restricted enrollment; contact the department for permission to register for this class. Offered on the pass/fail basis only. Focuses on career goals of students through classroom discussions and places students in communication positions with public and private organizations. Restricted to senior communication studies majors. Prerequisite: Twelve semester hours of communication studies (or speech), including at least three hours of upper-division coursework; a University grade point average of at least 2.50; a grade point average in communication studies of at least 3.00; and consent of instructor. Taught as a Web-based course.

CMS H171M COMMUNICATN STUDIES INTERNSHIP fee: $17.00
Hour(s) to be arranged. Offered on the pass/fail basis only. Prerequisite: Communication Studies 370K, consent of departmental internship coordinator; and completion of departmental requirements for enrollment in an internship course.

CMS H177K FACULTY-INITIATED RESEARCH fee: $17.00
Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department.

CMS H377K FACULTY-INITIATED RESEARCH fee: $51.00
Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department.

CMS H477K FACULTY-INITIATED RESEARCH fee: $68.00
Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department.

CMS H178K STUDENT-INITIATED RESEARCH fee: $17.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Supervised independent research on a project initiated, designed, and implemented by the student. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended.

CMS H378K STUDENT-INITIATED RESEARCH fee: $51.00
Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended.

CMS H478K STUDENT-INITIATED RESEARCH fee: $68.00
Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing, twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended.

CMS H379H HONORS TUTORIAL CRS. SPEC PROJ fee: $51.00
Hour(s) to be arranged. The writing of a thesis or the presentation of a creative project; final comprehensive examination. Prerequisite: Communication Studies 359H.

CMS H180E CONF CRS IN COMMUNICATION STDS fee: $17.00
Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication studies designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.

CMS H280E CONF CRS IN COMMUNICATION STDS fee: $34.00
Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication studies designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.

CMS H380E CONF CRS IN COMMUNICATION STDS fee: $51.00
Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication studies designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.

CMS H480E CONF CRS IN COMMUNICATION STDS fee: $68.00
Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication studies designed to expand the graduate student's opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing.

CMS W388C DOCTORAL COMPS EXAM PREP fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Research and reading in preparation for doctoral comprehensive examinations in communication studies. Restricted enrollment; contact the department for permission to register. Prerequisite: Graduate standing.

Course credits vary based on the course description and the number of hours required for completion.
course | unique | days | time | room | instructor | course | unique | days | time | room | instructor
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
CMS w688C | DOCTORAL COMPS EXAM PREP | fee: $102.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Research and reading in preparation for doctoral comprehensive examinations in communication studies. Restricted enrollment; contact the department for permission to register. Prerequisite: Graduate standing. | • 73495

CMS w988C | DOCTORAL COMPS EXAM PREP | fee: $153.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Research and reading in preparation for doctoral comprehensive examinations in communication studies. Restricted enrollment; contact the department for permission to register. Prerequisite: Graduate standing. | • 73490

CMS f390P | RHETORIC OF FILM | fee: $51.00 | Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing. Some sections also require consent of instructor or the graduate adviser; these are identified in the Course Schedule. Meets with CMS 366F. | • 73495 TWIN 100 - 330P BMC 4212 GUNN, J

CMS w698A | THESIS | fee: $51.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing. for 698A, Communication Studies 698A. | • 73500

CMS w698B | THESIS | fee: $51.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: for 698A, graduate standing in communication studies and consent of the graduate adviser; for 698B, Communication Studies 698A. | • 73505

CMS w398R | MASTER'S REPORT | fee: $51.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 73510

CMS w699R | DISSERTATION | fee: $51.00 | Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 73515

CMS w699R | DISSERTATION | fee: $102.00 | Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 73520

CMS w999R | DISSERTATION | fee: $153.00 | Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 73525

CMS w399R | DISSERTATION | fee: $51.00 | Offered on the credit/no credit basis only. Prerequisite: Communication Studies 399R, 699R, or 999R. | • 73530

CMS w699W | DISSERTATION | fee: $102.00 | Offered on the credit/no credit basis only. Prerequisite: Communication Studies 399R, 699R, or 999R. | • 73535

CMS w999W | DISSERTATION | fee: $153.00 | Offered on the credit/no credit basis only. Prerequisite: Communication Studies 399R, 699R, or 999R. | • 73540

CMS s349M | ADV ANY OF POPULAR CULTURE-WB | fee: $51.00 | Hour(s) to be arranged. Advanced critique and analysis of rhetorical dimensions in texts of popular culture. Readings in theory and methods for understanding persuasive influence in television, film, music videos, and the Internet. Prerequisite: Upper-division standing; fulfills the communication and culture requirement in the College of Communication. Taught as a Web-based course. | • 73545 BRUMMETT, B

CMS s354 | CONFLICT RESOLUTION-WB | fee: $53.00 | Hour(s) to be arranged. Systematic analysis of conflict and communication to examine some of the effects of communication on conflict and of conflict on communication. Readings, analysis of conflicts, and practice with and evaluation of communication behaviors thought to be effective in conflict talk. Prerequisite: Upper-division standing. Taught as a Web-based course. | • 73550 MAXWELL, M

CMS s359H | HONORS TUTORIAL CRS: READING | fee: $51.00 | Hour(s) to be arranged. Intensive reading and research as planned by the departmental honors committee. Prerequisite: Upper-division standing and admission to the Communication Studies Honors Program. | • 73555

CMS s364K | GENDER AND COMMUNICATION | fee: $51.00 | Focuses on how communication influences ideas about sex, gender, and identity, from interpersonal relationships to the mass media, and from legislative debates to social movements. Communication Studies 364K and 367 (Topic: Gender and Communication) may not both be counted. Prerequisite: Upper-division standing. | • 73590 TWIN 1000 - 1230P BMC 4212 CLOUD, D

CMS s171M | COMMUNICATN STUDIES INTERNSHIP | fee: $17.00 | Hour(s) to be arranged. Offered on the pass/fail basis only. Prerequisite: Communication Studies 370K; consent of departmental internship coordinator; and completion of departmental requirements for enrollment in an internship course. | • 73565

CMS s177K | FACULTY-INITIATED RESEARCH | fee: $17.00 | Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department. | • 73570

CMS s377K | FACULTY-INITIATED RESEARCH | fee: $51.00 | Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department. | • 73575

CMS s477K | FACULTY-INITIATED RESEARCH | fee: $58.00 | Hour(s) to be arranged. Supervised research on a project designed by a faculty member. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department. | • 73590

CMS s178K | STUDENT-INITIATED RESEARCH | fee: $17.00 | Hour(s) to be arranged. Supervised independent research on a project initiated, designed, and implemented by the student. Student secures consent of a faculty member willing to supervise the project prior to registering. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended. | • 73585

CMS s378K | STUDENT-INITIATED RESEARCH | fee: $51.00 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Supervised independent research on a project initiated, designed, and implemented by the student. Student secures consent of a faculty member willing to supervise the project prior to registering. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended. | • 73590

CMS s478K | STUDENT-INITIATED RESEARCH | fee: $68.00 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Supervised independent research on a project initiated, designed, and implemented by the student. Student secures consent of a faculty member willing to supervise the project prior to registering. No more than six semester hours in the following courses may be counted: Communication Studies 177K, 377K, 477K, 178K, 278K, 378K, 478K, 578K, 678K. Prerequisite: Upper-division standing; twelve semester hours of coursework in communication studies, a University grade point average of at least 2.50, and consent of instructor and the department; Communication Studies 177K, 377K, 477K is recommended. | • 73595

CMS s379H | HONORS TUTORIAL CRS: SPEC PROJ | fee: $51.00 | Hour(s) to be arranged. The writing of a thesis or the presentation of a creative project; final comprehensive examination. Prerequisite: Communication Studies 359H. | • 73590

CMS s180E | CONF CRS IN COMMUNICATION STDS | fee: $17.00 | Hour(s) to be arranged. May be repeated for credit. Readings in the literature of communication studies designed to expand the graduate student’s opportunity for individual consultation both in research and in informational aspects of the work. Prerequisite: Graduate standing. | • 73605
## SCHOOL OF JOURNALISM

### Journalism - J

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<tr>
<th>Course</th>
<th>Title</th>
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### Reporting: Words

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<td>Reporting on City/County GVMT</td>
<td>$51.00</td>
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### Social Media Journalism-WB

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### Undrstandng Afr Amers/the Media

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<td>Understanding African Americans/the Media</td>
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### Internship

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### Journalism Practicum

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### Journalism Independent Study

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### Social Media Journalism-

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### Professional Experience in Journalism

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### Gender & The News

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J s362F
JOURNALISM PORTFOLIO
Offered on the letter-grade basis only. A synthesis experience to polish journalism skills, showcase reporting and production abilities across multiple journalistic platforms, and complete a professional online portfolio. Restricted to journalism majors. Prerequisite: Journalism 310F (or 320D) and 311F (or 321C) with a grade of at least B- in each; six semester hours of upper-division coursework in journalism with a grade of at least B.
• 73785 MTWTH 1200 - 200P BMC 3.208 GARCIA-BUCKELOW, W
J s379
JOURNALISM INDEPENDENT STUDY
Hour(s) to be arranged. May be repeated for credit. Designed to give students the opportunity to pursue special studies for which separate courses have not been organized. Restricted to journalism majors. Prerequisite: Journalism 310F (or 320D) and 311F (or 321C) with a grade of at least B- in each, and consent of the director of the school.
• 73790
J s289
PROBLEMS IN SPECIALIZED FIELDS
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Research project chosen from area of student's major interests; written report required. Prerequisite: Graduate standing.
• 73795
J s389
PROBLEMS IN SPECIALIZED FIELDS
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Research project chosen from area of student's major interests; written report required. Prerequisite: Graduate standing.
• 73800
J s489
PROBLEMS IN SPECIALIZED FIELDS
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Research project chosen from area of student's major interests; written report required. Prerequisite: Graduate standing.
• 73805
J s395
GENDER & THE NEWS
Course number may be repeated for credit when the topics vary. Contemporary social, professional, and intellectual concerns with the practice of journalism. Prerequisite: Graduate standing; meets with WGS 324 (TOPIC 4). J 348D.
• 73806 MTWTHF 1000 - 1130 BMC 5.214 CHEN, G

DEPARTMENT OF RADIO-TELEVISION-FILM

Radio-Television-Film - RTF

RTF t318
INTRO TO IMAGE AND SOUND
Designed to accommodate 35 or fewer students. Exploration of fundamental production concepts and techniques through lectures, projects, and laboratory work. Students may not enroll in this course more than twice. Prerequisite: Six semester hours of lower-division coursework in radio-television-film. Restriction and prerequisite not enforced in summer.
• 73890 MTW 500 - 730P CMA 3.114 BARBER, M
MTW 1100 - 150P CMA 3.114
• 73865 MTW 500 - 730P CMA 3.114 BARBER, M
MTW 1100 - 150P CMA 3.140
• 73870 MTW 500 - 730P CMA 3.114 BARBER, M
MTW 1100 - 150P CMA 4.150
• 73870 MTW 500 - 730P CMA 3.114 BARBER, M
MTW 1100 - 150P CMA 4.150
• 73870 MTW 500 - 730P CMA 3.114 BARBER, M
MTW 1100 - 150P CMA 1.176

RTF w330L
INTRNSHP FILM & ELEC MEDIA-L.A
Course number may be repeated for credit when the topics vary. Examination of the economics and the production, research, management, and distribution practices of the film and electronic media industries. Prerequisite: Upper-division standing and three hours of lower-division coursework in radio-television-film; additional prerequisites vary with the topic. Topic description: Further exploration of the dynamics and business challenges of the contemporary music performance world, with emphasis on entrepreneurship skills, music business, emerging technology trends, commitment to audience education, public advocacy for music, and the future health and growth of musical culture. Taught in Los Angeles, California. Meets with COM 324 (TOPIC 3).
• 73905 NEMY, P

WORKING HOLLYWOOD WRITER-L.A
Course number may be repeated for credit when the topics vary. Examination of the economics and the production, research, management, and distribution practices of the film and electronic media industries. Prerequisite: Upper-division standing and three hours of lower-division coursework in radio-television-film; additional prerequisites vary with the topic. Topic description: Students will learn the nuts and bolts of being a working screenwriter in Hollywood. Students will develop original TV and feature ideas, open writing assignments, and pitch and work with producers. Taught in Los Angeles, California. Meets with COM 324.
• 73910 PARKS, R

4-NEW MEDIA/EMERG ENTRTMNT-L.A
Course number may be repeated for credit when the topics vary. Examination of the economics and the production, research, management, and distribution practices of the film and electronic media industries. Explores burgeoning areas of digital entertainment including broadband, video-on-demand, interactive television, mobile entertainment, and interactive digital gaming. Taught in Los Angeles, California. Only one of the following may be counted: Communication 324 (Topic: Development Process of Film and Television), 348 (Topic 2). Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing and three hours of lower-division coursework in radio-television-film; additional prerequisites vary with the topic. topic: same as COM 324 (TOPIC 4). KEREW-SHAW, D
• 73915

Audio-Visual Effects & Motion Graphics
Course number may be repeated for credit when the topics vary. Special topics in digital media theory, design, or development. May include visual effects and motion graphics or digital media and digital art. Prerequisite: For radio-television-film majors, Radio-Television-Film 318 or 319, and nine additional semester hours of coursework in radio-television-film; for others, upper-division standing.
• 73930 900 - 1100 CMA 5.176 MARSLETT, G
WTH 900 - 1045 CMA 5.176

INTRODUCTION TO EDITING
Designed to accommodate 35 or fewer students. Theory and practice of video and film editing techniques. Restricted to radio-television-film majors. Prerequisite: Radio-television-Film 317 and with a grade of at least B- in each, and six additional semester hours of lower-division coursework in radio-television-film. Course uses AVI software.
• 73895 MTWTH 130 - 400P CMA 5.176 LEWIS, A

Hollywood Works-L.A
Course number may be repeated for credit when the topics vary. Examination of the economics and the production, research, management, and distribution practices of the film and electronic media industries. Prerequisite: Upper-division standing and three hours of lower-division coursework in radio-television-film; additional prerequisites vary with the topic. Topic description: Further exploration of the dynamics and business challenges of the contemporary music performance world, with emphasis on entrepreneurship skills, music business, emerging technology trends, commitment to audience education, public advocacy for music, and the future health and growth of musical culture. Taught in Los Angeles, California. Meets with COM 324 (TOPIC 3).
• 73905 NEMY, P

2-DEVEL PROCESS OF FILM/TV-L.A
Course number may be repeated for credit when the topics vary. Examination of the economics and the production, research, management, and distribution practices of the film and electronic media industries. Examines the development process in both film and television; preparing pitches, coverage, and development notes; identifying strengths and weaknesses of literary material typical of that submitted to studios, networks, and production companies. Taught in Los Angeles, California. Only one of the following may be counted: Communication 324 (Topic: Development Process of Film and Television), 348 (Topic 2). Restricted to students admitted to the Semester in Los Angeles Program. Prerequisite: Upper-division standing and three hours of lower-division coursework in radio-television-film; additional prerequisites vary with the topic. same as COM 324 (TOPIC 4). KEREW-SHAW, D
• 73915

INTRODUCTION TO 2-D ANIMATION
Offered on the letter-grade basis only. Theory and practice of digital graphics and animation techniques. Restricted to radio-television-film majors. Prerequisite: For majors, Radio-Television-Film 318 or 319, and nine additional semester hours of coursework in radio-television-film; for others, upper-division standing.
• 73925 MTWTH 400 - 600P CMA 5.176 BAYS, B

5-PROJECTS COURSE: 3D
Course number may be repeated for credit when the topics vary. Advanced study of production crafts in film, television, and other digital media. Restricted to radio-television-film majors. Restricted to Radio-
RTF n369 ADV SCRWRIT FILMS & TV PILOTS fee: $76.00
Course number may be repeated for credit when the topics vary. Students develop and write original screenplays. Includes advanced study of screenplay structure, critical analysis of student and professional work, and intensive writing each week toward a completed script. Students may not enroll in more than two sections of any Radio-Television-Film 369 course in the same semester. Restricted to radio-television-film majors. Prerequisite: Radio-Television-Film 333 with a grade of at least B-.
73930 TTH 930 - 1200 CMA 5.130 KELBAN S

RTF w384N INTRNSHP IN FILM & ELEC MEDIA fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Practical working involvement with participating media production and research agencies. Prerequisite: Graduate standing and consent of the graduate adviser.
73935

RTF i388 RSCH PROB IN SPEC FIELD OF RTF fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Research project chosen from area of student's major interests. Credit earned depends on the nature of the research project. Some sections are offered on the letter-grade basis only; others are offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of the graduate adviser.
73940

RTF w388 RSCH PROB IN SPEC FIELD OF RTF fee: $51.00
Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Research project chosen from area of student's major interests. Credit earned depends on the nature of the research project. Some sections are offered on the letter-grade basis only; others are offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of the graduate adviser.
73945

RTF w388C RSCH PROBS: DOCTORAL EXAM PREP fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Research and reading in preparation for doctoral examinations. Prerequisite: Graduate standing in radio-television-film and consent of the graduate adviser.
73950

RTF w388S RSCH PROB SPEC FIELD RTF: PROD fee: $313.58
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing and consent of the graduate adviser.
73955

RTF w698A THESIS fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in radio-television-film and consent of the graduate adviser; for 698B, Radio-Television-Film 698A.
73960

RTF w698B THESIS fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in radio-television-film and consent of the graduate adviser; for 698B, Radio-Television-Film 698A.
73965

RTF w398R MASTER'S REPORT fee: $51.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in radio-television-film and consent of the graduate adviser.
73970

RTF w399R DISSERTATION fee: $51.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
73975

RTF w699R DISSERTATION fee: $102.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
73980

RTF w999R DISSERTATION fee: $153.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
73985

RTF w399W DISSERTATION fee: $51.00
Offered on the credit/no credit basis only. Prerequisite: Radio-Television-Film 399R, 699R, or 999R, and consent of the graduate adviser.
73990

RTF w699W DISSERTATION fee: $102.00
Offered on the credit/no credit basis only. Prerequisite: Radio-Television-Film 399R, 699R, or 999R, and consent of the graduate adviser.
73995
COLLEGE OF EDUCATION

Applied Learning and Development - ALD

ALD F321
PLAY IN EARLY CHILDHOOD DEVELOPMENT
Theoretical and empirical bases for observing children in play; cognitive, social, and communicative stages related to developmental change; and the adjustment related to social and emotional theories; motivational value of play. Prerequisite: Three semester hours of coursework in psychology. Class meets June 4-7, July 2.
• 74075 T/TH 400 - 730P SZB 244 NICHOLSON, S

ALD F322
INDIVIDUAL DIFFERENCES
fee: $3.00
Additional hour(s) to be arranged. Introduction to individual differences among people through the life span. Examines areas of exceptionality within the context of typical development: current research trends; theoretical and legal considerations; and practice-related issues, including family involvement, cultural and linguistic diversity, and educational perspectives. Orientation to assistive technology. Prerequisite: Three semester hours of coursework in psychology.
• 74080 MTWTH 900 - 1100 SZB 292 TACKETT, K

ALD F327
SOCIOCULTURAL INFUENCES ON LEARNER
Additional hour(s) to be arranged. Human learning in multisocial, multilingual, and multicultural contexts; realities of society and their impact on learning; social concerns such as prejudice, stereotyping, cross-cultural attitudes, bilingual issues, parent and community involvement. Only one of the following may be counted: African and African Diaspora Studies 374D (Topic: Sociocultural Influences on Learning), 372D (Topic 2), Applied and Learning Development 327. Prerequisite: Three semester hours of coursework in psychology.
• 74090 MTWTH 900 - 1100 SZB 278

ALD F327G
EDUCULTURE/DIVERSITY-GUA
Hour(s) to be arranged. Comparative analysis of human learning in multsocial, multilingual, and multicultural contexts in the United States and Latin America. Social concerns such as prejudice, stereotyping, cross-cultural attitudes, bilingual issues, and parent and community involvement. Prerequisite: Three semester hours of coursework in psychology.
• 74095 MTWTHF 1000 - 1130 SZB 278

ALD F329
ACQUIS OF LANG & LITERACY
Subjects include initial language and literacy acquisition theory; second language acquisition theory; relations among first and additional languages in literacy and language acquisition; home, school, and learners’ perspectives; and current issues in literacy and multilingual classrooms. Prerequisite: Three semester hours of coursework in psychology. meets with LAS 322.
• 74090 MTWTH 900 - 1200 SZB 439E GERWIELS, M

ALD F329G
ACQUIS OF LANG & LITERACY-GUA
Hour(s) to be arranged. Subjects include initial language and literacy acquisition theory; second language acquisition theory; relations among first and additional languages in literacy and language acquisition; home, school, and learners’ perspectives; and current issues in literacy and multilingual classrooms. Prerequisite: Three semester hours of coursework in psychology and completion of or concurrent enrollment in Applied Learning and Development 327. Required enrollment; contact Study Abroad for permission to register for this class. Faculty-led Abroad Program taught in Antigua, Guatemala. Students must consult with Study Abroad Program Coordinator as travel to orientation dates may be in addition to these dates. meets with LAS 322.
• 74120 PALMER, D

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Curriculum and Instruction - EDC

Foreign Language Education - FLE
Science, Technology, Engineering, and Mathematics Education - STM

EDC F339E
SEC SCH LITERACY ACROSS DISCIPLINE
Additional hour(s) to be arranged. Designed for students in a University secondary teacher preparation program. Curriculum and Instruction 339E (Topic 10: Secondary School Reading in the Content Subject) may not both be counted. Restricted to students in the UTeach Urban Teachers program. Class also meets June 5-14.
• 74175 WS 100 - 400P SZB 344 PRUITT, A

EDC F350
LANG MINORITY STUDENT IN SED
Course number may be repeated for credit when the topics vary. Analysis of selected topics and problems in education, meets with SED 378T (Topic 1).
• 74180 MTWTH 1000 - 1200 SZB 240 ROJESKI, L

EDC F371G
TEACHING YOUNG CHILDREN-B
fee: $25.00
Additional hour(s) to be arranged. Designed to provide students with frameworks for observing and interacting with young children in classroom settings, and to acquaint students with the teacher's varied roles in early childhood classrooms. Topics include cultural and linguistic diversity; supervising and interacting with children in a range of instructional groupings, including center-based and play-based learning activities and whole-group experiences; planning and implementing appropriate practices and strategies; and record-keeping and assessment. Curriculum and Instruction 371 (Topic 19: Guiding Young Children in Groups) and 371G may not both be counted. Prerequisite: Upper-division standing, twelve semester hours of upper-division coursework in education, or consent of the education adviser; and admission to the professional development sequence of courses and a University grade point average of at least 2.50. Restricted to students in Professional Development Sequence-Cohort B.
• 74185 MWF 900 - 1200 SZB 439E MYCUE, S

EDC F380R
EDUCATIONAL RESEARCH & DESIGN
An introduction to the methodology of social science research, with a focus on the field of education. Examines the fundamental assumptions, principles, and procedures of research; the meaning of knowledge and the ways in which knowledge may be acquired and communicated to others; preparation and utilization of effective questions; principles of data collection and data analysis; drawing conclusions from data; and evaluation of curriculum and instruction 380R and 384P (Topic 12: Educational Research and Design) may not both be counted. Prerequisite: Graduate standing and admission to a Master of Arts or a Master of Education degree program. Restricted to master's students in the Teacher Leader, Mentoring and Professional Development cohort. Class meets June 4-7, July 2.
• 74195 MTWTH 900 - 1200 SZB 642 WORTHY, M

EDC F380W
TEACHING COMPOSITION
May be repeated for credit. Topics in the methodologies for the teaching of writing in American elementary, intermediate, and secondary classrooms. Topics may include writing assessment, connections between school and other settings, reading-writing connections, writing development, writing to think and learn, writing for a range of purposes and in a range of genres, and classroom structures for the teaching of writing. Prerequisite: Graduate standing. Restricted to students in the Heart of Texas Writing Project. Class meets June 5-8.
• 74195 MTWTH 900 - 1200 SZB 411 KELT, D

EDC F381R
INTRO TO SYS OF HUMAN INQUIRY
Designed to provide students with the knowledge and competence in social science research methods required for careers in teaching or human services. Explores competing definitions of research; the idea of a research paradigm; characteristics of various forms of inquiry, including quantitative and qualitative research; and research methods required for careers in teaching or human services. Explores competing definitions of research; the idea of a research paradigm; characteristics of various forms of inquiry, including quantitative and qualitative research; and research methods required for careers in teaching or human services.
• 74195 MTWTH 830 - 1000P SZB 442 SKERRITT, A

EDC F382S
METHS OF TEACH ENG AS SEC LANG
Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Examination of the...
discipline of the subject-field selected, coupled with intensive study of research find-
ings, publications of learned societies, and advanced experimentation with the im-
provement of instruction. Prerequisite: Graduate standing, twelve semester hours of upper-
division education, twelve semester hours of upper-division coursework in the subject-
feld of the topic or consent of instructor, and teaching experience or consent of the graduate adviser. Restricted to students in the UTeach Urban Teachers pro-
gram. Class meets June 4-22.

- 74205 MTWTFH 830 - 1130 S2B 344 RODRIGUEZ, H

EDC 385G COLLABORATION
Course number may be repeated for credit when the topics vary. Advanced investiga-
tions of selected topics and problems in curriculum theory, program design, and re-
search design at one of the following levels: elementary school, secondary school, higher 
education, all-level. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and con-
tent of instructor. Topic description: Strategies such as collaborative consultation and 
teamwork models, which are used to improve learning outcomes for students with di-
verse learning needs. meets with SED 393 (TOPIC 16).

- 74210 MTWTH 130 - 400 S2B 292

4-SECOND LANGUAGE ACQUISITION
Course number may be repeated for credit when the topics vary. Advanced investiga-
tions of selected topics and problems in curriculum theory, program design, and re-
search design at one of the following levels: elementary school, secondary school, higher 
education, all-level. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and con-
tent of instructor. Restricted to UTeach Urban Teachers program. Class meets June 4-22.

- 74215 MTWTHF 100 - 400 S2B 312 MARTINEZ, R

EDC 386R INTRO TO QUALITATIVE RESEARCH
An introduction to the theoretical and methodological issues central to conducting.qualitative research studies. Designed to help students develop practical research skills, and includes opportunities to evaluate current research, analyze data, observe and interview. Curriculum and Instruction 385R (Topic: Qualitative Research in Educa-
tional Settings) and 368R may not both be counted. Prerequisite: Graduate standing and admission to a Doctor of Education or a Doctor of Philosophy degree program.

Class meets June 4-22.

- 74220 MTWTHF 900 - 1200 S2B 312 SALINAS, C

EDC 390T ART OF THE PICTURE BOOK
Restricted enrollment; contact the department for permission to register for this class.
Course number may be repeated for credit when the topics vary. Various topics de-
signed to help students analyze and improve instruction at one of the following levels: elementary school, secondary school, higher education, all-level. Curriculum and In-
struction 384P and 390T may not both be counted unless the topics vary. Some topics 
are offered on the credit/no credit basis only, and some are offered on the letter-grade 
basis only; these topics are identified in the Course Schedule. Prerequisite: Graduate 

- 74225 MTWTH 100 - 400 S2B 334 ROSER, N

FOUNDATIONS OF BILING EDUC & SLA
Course number may be repeated for credit when the topics vary. Various topics de-
signed to help students analyze and improve instruction at one of the following levels: elementary school, secondary school, higher education, all-level. Curriculum and In-
struction 384P and 390T may not both be counted unless the topics vary. Some topics 
are offered on the credit/no credit basis only, and some are offered on the letter-grade 
basis only; these topics are identified in the Course Schedule. Prerequisite: Graduate standing. Restricted to students in the UTeach Urban Teachers program. Class meets June 6-30.

- 74228 MTWTH 100 - 400 S2B 334 GUZMAN, S

LITERACY AND INQUIRY
Restricted enrollment; contact the department for permission to register for this class.
Course number may be repeated for credit when the topics vary. Various topics de-
signed to help students analyze and improve instruction at one of the following levels: elementary school, secondary school, higher education, all-level. Curriculum and In-
struction 384P and 390T may not both be counted unless the topics vary. Some topics 
are offered on the credit/no credit basis only, and some are offered on the letter-grade 
basis only; these topics are identified in the Course Schedule. Prerequisite: Graduate 
standing. Concurrent enrollment in EDC 390T Reading and Inquiry required. Class 
meets June 5, and June 8-22. Taught in Austin public schools.

- 74235 MTWTH 1230 - 430P WETZEL, M

READING AND INQUIRY
Restricted enrollment; contact the department for permission to register for this class.
Course number may be repeated for credit when the topics vary. Various topics de-
signed to help students analyze and improve instruction at one of the following levels: elementary school, secondary school, higher education, all-level. Curriculum and In-
struction 384P and 390T may not both be counted unless the topics vary. Some topics 
are offered on the credit/no credit basis only, and some are offered on the letter-grade 
basis only; these topics are identified in the Course Schedule. Prerequisite: Graduate standing. Concurrent enrollment in EDC 390T Literacy and Inquiry required. Class 
meets June 5, and June 8-22. Taught in Austin public schools.

- 74240 MTWTH 830 - 1130 HOFFMAN, J

EDC 396T DIR RSC IN CURRIC AND INSTRUCT
Hour(s) to be arranged. Investigation of assigned problems under the direction of a 
Graduate Studies Committee member; development and demonstration of competen-
tce in research design and execution; production of acceptably written reports of a 
technical character. May be repeated for credit by doctoral students. Prerequisite: 
Graduate standing.

- 74245
EDC w999W  DISCUSSION  Offered on the credit/no credit basis only. Prerequisite: Curriculum and Instruction 399R, 699R, or 999R. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

• 74325

EDC s339D  READING ASSESSMENT AND DEVEL-B  Hour(s) to be arranged. Curriculum and Instruction 339D and 371 (Topic 2: Reading Assessment and Development) may not be both counted. Prerequisite: Admission to the professional development sequence of courses. Restricted to students in Professional Development Sequence Cohort B. Class meets July 13-24. Taught in Austin area public schools.

• 74330

EDC s370E  2-LANGUAGE ARTS-B  Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Curriculum content and organization, teaching procedures, materials, and research in elementary school subjects. Prerequisite: A University grade point average of at least 2.50. Additional prerequisite: Admission to the professional development sequence of courses. Restricted to students in Professional Development Sequence Cohort B. Class meets July 27-August 14. Taught in Austin area public schools.

• 74335

4-SOCIAL STUDIES-B  Course number may be repeated for credit when the topics vary. Curriculum content and organization, teaching procedures, materials, and research in elementary school subjects. Prerequisite: A University grade point average of at least 2.50. Additional prerequisite: Admission to the professional development sequence of courses. Restricted to students in Professional Development Sequence Cohort B. Class meets July 27-August 14.

• 74340  MTWTHF  100 - 400P  SZB 424

EDC s377  CONF COURSE IN CURR AND INSTR  Hour(s) to be arranged. May be repeated for credit. Independent studies in instructional methodology and curriculum. Prerequisite: Upper-division standing and consent of instructor.

• 74345

EDC s380F  SOCIOCULTURAL FOUNDATIONS  Problems and issues in the study of education from a sociocultural perspective. Examines research in different fields, including history, sociology, and anthropology of education. Examines research in different fields, including history, sociology, and anthropology of education. Includes a critical assessment of the methodology of case study research, including approaches and theories; development of goals, and current issues and challenges. Some topics are offered on the credit/no credit basis only. Prerequisite: Graduate standing in foreign language education, admission to approved internship program.

• 74355  MTWTHF  930 - 1250P  SZB 411  BROWN, K

EDC s380R  EDUCATIONAL RESEARCH & DESIGN  An introduction to the methodology of social science research, with a focus on the field of education. Examines the fundamental assumptions, principles, and procedures of research; the meaning of knowledge and the ways in which knowledge may be acquired and communicated to others; preparation and utilization of effective questions; principles of data collection and analysis; drawing conclusions from data; and evaluation of current research. Curriculum and Instruction 380R and 384P (Topic 14: Educational Research and Design) may not both be counted. Prerequisite: Graduate standing and admission to a Master of Arts or a Master of Education degree program.

• 74355  MTWTHF  100 - 400P  SZB 224  LIU, M

EDC s385G  DUAL LANGUAGE EDUCATION-RSCH  Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Advanced investigations of selected topics and problems in curriculum theory, program design, and research design at one of the following levels: elementary school, secondary school, higher education, all-level. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. Topic title: Dual language education research; current trends.

• 74360  GUZMAN, S

EDC s387R  SURVEY RESEARCH METHODS  Course number may be repeated for credit when the topics vary. Some topics are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these topics are identified in the Course Schedule. Prerequisite: Graduate standing. Curriculum and Instruction 385R, and admission to a Doctor of Education or Doctor of Philosophy degree program.

• 74385  TWTH  900 - 1200P  SZB 442  KEATING, X

EDC s388R  9-CASE STUDY  Course number may be repeated for credit when the topics vary. An in-depth investigation into the methodology of case study research, including approaches and theories, development of goals, and current issues and challenges. Some topics are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these topics are identified in the Course Schedule. Curriculum and Instruction 385G (Topic: Case Study Research) and 388R (Topic 9) may not both be counted. Prerequisite: Graduate standing. Curriculum and Instruction 385R, and admission to a Doctor of Education or a Doctor of Philosophy degree program.

• 74370  MTWTHF  400 - 700P  SZB 442  BROWN, C

EDC s396T  DIR RSCH IN CURRIC AND INSTRUC  Hour(s) to be arranged. Investigation of assigned problems under the direction of a Graduate Studies Committee member; development and demonstration of compe-
DEPARTMENT OF EDUCATIONAL ADMINISTRATION

Educational Administration - EDA

EDA 1620H 1-PUBLIC SCHOOL ADMINISTRATION
Restricted enrollment: contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. A fused, multidisciplinary foundation core course covering major task areas, administrative theory and processes, and supporting knowledge from other disciplines. Some sections are offered on the credit/no credit basis; these are identified in the Course Schedule. Prerequisite: Graduate standing. Admission by application only. Restricted to students in the Principalship Program.

• 74685 MTWTH 830 - 1200 SZB 364 HALL, D

EDA 1833 SCHOOL BUSINESS MANAGEMENT
Course number may be repeated for credit when the topics vary. Group and individual studies of research literature; execution of investigative projects and reports of research. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Class meets June 8-June 26. Taught in Austin area schools.

• 74900 MTWTH 900 - 1200 COULTER, N

1-INDIVIDUAL PROJECTS
Course(s) are arranged. Course number may be repeated for credit when the topics vary. Group and individual studies of research literature; execution of investigative projects and reports of research. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule.

• 74700

EDA 1837Q INTRO TO SYS OF HUMAN INQUIRY
Introduction to the range of different epistemological perspectives that are used in the conduct of social science research, including the scientific method/positivism, postpositivism, interpretivism, postmodernism, critical theory, race-based and culture-based perspectives, and feminism. Designed for doctoral students. Prerequisite: Graduate standing.

• 74705 MT 100 - 630P SZB 376

EDA 391C COMPARATIVE HIGHER EDUCATION
Examination of the higher education systems and institutions of selected countries. Prerequisite: Graduate standing. Class meets June 3-24.

• 74710 MW 400 - 900P SOMERS, P
ADMIN LEADERSHIP IN HIGHER ED
Examination of executive leadership in institutions of higher education. Includes consideration of roles, responsibilities, styles, and differences in more than one organizational context. Some consideration given to selection, replacement, training, guidance, development, and evaluation of leaders. Prerequisite: Graduate standing, and completion of at least two semesters of doctoral coursework in educational administration or consent of instructor. • 74715 MW 900 - 1200 SZB 434 BUKOSKI, B

GENDER AND ADULT DEVELOPMENT
Course number may be repeated for credit when the topics vary. Educational Administration 195 and 197N may not both be counted. Prerequisite: Graduate standing. Meets with WGS 393. • 74720 MW 400 - 815P SZB 240 SOMERS, P

ADVANCED ADMIN THRY & PRAC-CSP
Restricted enrollment; contact the department for registration. Prerequisite: Graduate standing. • 74725 MT 800 - 1200 SZB 376 OLVAREZ, R

RESEARCH APPRENTICESHIP
Hour(s) to be arranged. Group and individual projects in research design, methodology, and research execution. Prerequisite: Graduate standing, preparation satisfactory to instructor, and consent of the graduate adviser. • 74730

RESEARCH APPRENTICESHIP
Hour(s) to be arranged. Group and individual projects in research design, methodology, and research execution. Prerequisite: Graduate standing, preparation satisfactory to instructor, and consent of the graduate adviser. • 74735

RESEARCH APPRENTICESHIP
Hour(s) to be arranged. Group and individual projects in research design, methodology, and research execution. Prerequisite: Graduate standing, preparation satisfactory to instructor, and consent of the graduate adviser. • 74740

DISSERTATION SEMINAR
Intensive examination of selected dissertation topics, issues of framing research problems, methodology of educational inquiry, and application of theoretical perspectives. Prerequisites: Graduate standing. • 74745 MW 400 - 700P SZB 364 OVANDO, M

DIRECTED RSCH IN EDUC ADMIN
Hour(s) to be arranged. Investigation of assigned problems under direction of a Graduate Studies Committee member; development and demonstration of competence in research design and execution; production of acceptably written reports of a technical character. Prerequisite: Graduate standing, preparation satisfactory to instructor, and consent of the graduate adviser. • 74750

GRAD INTSHP: HIGHER EDUCATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised practice in a professional position; the number of hours required varies with the student's program. Prerequisite: Graduate standing; preparation satisfactory to instructor. • 74755

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74760

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74765

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74770

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399K, 699K, or 999K. • 74775

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399K, 699K, or 999K. • 74780

TREATISE
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399K, 699K, or 999K. • 74785

TREATISE
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74790

TREATISE
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74795

TREATISE
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. Prior to registering, students must obtain University of Texas at Austin Institutional Review Board approval for research involving human subjects. • 74800

DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399R, 699R, or 999R. • 74805

DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399R, 699R, or 999R. • 74810

DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Educational Administration 399R, 699R, or 999R. • 74815

Dissertation Design and Analysis
Introduction to the knowledge base in measurement theory and quantitative research designs, including research designs appropriate to different research contexts, and analyzing, interpreting, and representing statistical data to scholarly and practitioner audiences. Prerequisite: Graduate standing. • 74820 MT 100 - 500P SZB 376

QUALITATIVE RESEARCH DESIGN
Introduction to the utilization of theoretical frames; research questions or focus, and literature reviews; ethical issues; research design; research methods; data analysis; representations of data; interpretation of data; trustworthiness; implications; and strengths and limitations in the conduct of qualitative research. Prerequisite: Graduate standing and Educational Administration 387Q or the equivalent. • 74825 WTH 100 - 515P SZB 526 BUKOSKI, B

1-INDIVIDUAL PROJECTS
Course number may be repeated for credit when the topics vary. Group and individual studies of research literature; execution of investigative projects and reports of research. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. • 74830

15-PRINCIPALSHIP
Course number may be repeated for credit when the topics vary. Group and individual studies of research literature; execution of investigative projects and reports of research. Prerequisite: Graduate standing; additional prerequisites vary with the topic and are given in the Course Schedule. Class meets July 13-30. • 74835 MT/TH 830 - 1200 SZB 364 HALL, D

ETHICS/VALS IN ED ADM-CORE CRS
Examination, from the point of view of various ethical systems, of issues of equity, distributive justice, codes of ethics in educational professions, treatment of students, and other issues that face administrators of educational systems. Designed to sensitize prospective educational leaders to the ethical content of educational decisions. Prerequisite: Graduate standing. • 74840 MW 400 - 815P SZB 364 CANTU, N

LAW AND DISABILITIES
Issues of law and policy associated with serving people with disabilities, with emphasis on federal legislation. Prerequisite: Graduate standing. Meets with SED 389 (TOP-IC-4). • 74845 MT/W 1000 - 1230P SZB 292 PAZEY, B
EDP 0363 3-HUMAN SEXUALITY fee: $3.00
Course number may be repeated for credit when the topics vary. Selected approaches to the study of the dynamics of behavior, its antecedents and its appraisal. Prerequisites: Psychology 301 or another introductory behavioral science course. Includes research requirement; see headnote.
- 74085 MTWTH 1000 - 1130 SBZ 104 DALEY, N
- 74091 MTWTHF 1130 - 1100P SBZ 104 BROWNSTEIN, L

EDP 371 INTRODUCTION TO STATISTICS
Measures of central tendency and variability; correlation and regression; probability and statistical inference; analysis of variance; nonparametric statistics. Taught as a Web-based course.
- 74091 T HRTX 930 - 1200 SBZ 435 TOMBARI, M

EDP 371L PROBLEMS IN EDUCATIONAL PSYCH
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual research on selected problems in educational psychology. Prerequisite: Educational Psychology 310 or another introductory behavioral science course.
- 74092

EDP 380P 1-MEASUREMENT AND EVALUATION
Course number may be repeated for credit when the topics vary. Theory, models, methods, and applications in psychometrics and program evaluation. A basic background in measurement and evaluation is necessary to be appropriately critical of tests and instruments that are used in educational and psychological measurement settings. Subjects include general principles and basic concepts; types of reliability and validity; and the use of psychometric principles in various testing areas, such as intelligence testing; special aptitudes and abilities; educational achievement; and non-cognitive characteristics. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Prerequisite: Educational Psychology 310 or another introductory behavioral science course.
- 74095

EDP 381 8-COUNSELING SKILLS/PROCEDURES
Course number may be repeated for credit when the topics vary. Advanced study of the theories and processes of vocational, educational, and personal counseling at elementary school and secondary school levels, in colleges, and in the community. Designed to provide a foundation for the professional practice of counseling and the skills necessary for professional training in counseling and related fields. Studies basic interpersonal helping skills, clinical interviewing, and intervention strategies. Consent of the adviser in the student's area of specialization may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only. Prerequisites: Educational psychology students, graduate standing; and consent of the adviser in the student's area of specialization; for others, graduate standing and twelve semester hours of upper-division coursework in education or psychology, including a course in measurement. Class meets June 8-24.
- 74093 MTW 1200 - 400P SBZ 432 MOORE, L

EDP 382 26-MULTICULTURAL COUNSELING
Advanced study of the theories and processes of vocational, educational, and personal counseling at elementary school and secondary school levels, in colleges, and in the community. An introduction to cultural diversity and multiculturalism in counseling. Designed to help students understand important cultural issues and various cultural groups. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only. Prerequisite: Educational psychology students, graduate standing; and consent of the adviser in the student's area of specialization; for others, graduate standing and twelve semester hours of upper-division coursework in education or psychology, including a course in measurement. Additional prerequisite: For students in the Master of Education degree program in educational psychology and for students outside of counseling psychology, consent of instructor. Class meets June 8-24.
- 74095 MTWTH 830 - 1200 SBZ 268 SANCHEZ, D

EDP 382K 6-STRUCTURAL EQUATION MODELING
Additional hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Provides the basic theoretical background necessary for the application of structural equation modeling to research problems including model specification, identification, path analysis, estimation, testing fit, respecification, confirmatory factor analysis, and issues concerning the interpretation of structural equation models. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Prerequisite: Graduate standing; six semester hours of coursework in mathematics; twelve semester hours of upper-division coursework in education, psychology, or other behavioral science, including Educational Psychology 380E (Topic 1) or consent of instructor; and consent of the adviser in the student's area of specialization. Additional prerequisite: Educational Psychology 382K (Topic 4) or consent of instructor.
- 74090 MTWTH 1130 - 100 P SBZ 268 KEITH, T

EDP 385 1-INDIVIDUAL THRU LIFE CYCLE
Course number may be repeated for credit when the topics vary. Theories of development and the educative process. Explores issues such as personal identity, academic achievement, social and emotional development, and the role of social statuses in relation to gender, social class, race/ethnicity, and sexual orientation in school settings through readings, reflections, discussion, and class activities. Examines and applies theories of psychology and identity development to adolescent populations from diverse groups. Through integration of all of these areas, students may develop an understanding of their experiences as an adolescent as well as those of the youth they may encounter as they assist them in coping more effectively with life's challenges. Inquiry extends beyond the individual and asks students to think critically about social, cultural, and historical contexts and group identities. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Additional prerequisite: Educational Psychology 382K (Topic 4) or consent of instructor and the student's area of specialization. Class meets June 8-24.
- 74095 MTWTH 100 - 1400P SBZ 435 BENTLEY-EDWARDS, K

EDP 389H 22-ADVANCED PRACTICUM
Course number may be repeated for credit when the topics vary. Study and application of theories, concepts, and techniques related to school psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Prerequisites: Graduate standing; twelve semester hours of upper-division coursework in educational psychology, psychology, or other behavioral sciences; and consent of the adviser in the student's area of specialization. Additional prerequisite: For non-school psychology students, consent of instructor.
- 74090 MTW 1100 - 1130 SBZ 444 STARK, K

EDP w194K 1-INTERNSHIP IN COUNSELING PSY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.
- 74095

3-INTSHP PROFESNL PRAC SCH PSY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.
- 74095

1-INTERNSHIP IN COUNSELING PSY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.
- 74090

3-INTSHP PROFESNL PRAC SCH PSY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.
- 74090

5-RESEARCH INTERNSHIP
Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.
- 74095
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours to be arranged</th>
<th>Required Areas of Specialization</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>EDP w694K</td>
<td>1-INTERNSHIP IN COUNSELING PSY</td>
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<td>(Fee: $10.00)</td>
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<tr>
<td>EDP w999W</td>
<td>DISSERTATION</td>
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<td>ss363</td>
<td>3-HUMAN SEXUALITY</td>
<td>Course number may be repeated when the topics vary.</td>
<td>Related to the dynamics of behavior, antecedents and its appraisal.</td>
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<td>s379L</td>
<td>PROBLEMS IN EDUCATIONAL PSYCHOLOGY</td>
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<tr>
<td>s380E</td>
<td>1-FUNDAMENTAL STATISTICS</td>
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<tr>
<td>w396T</td>
<td>6-QUALIFYING PROCESS RSCH</td>
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<td>w698A</td>
<td>THESIS</td>
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<td>w698B</td>
<td>MASTER'S REPORT</td>
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<td>w398R</td>
<td>DISSERTATION</td>
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<td>w699W</td>
<td>DISSERTATION</td>
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</tbody>
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**Course Descriptions**

1-INTERNSHIP IN COUNSELING PSY

Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.

3-INTERSH PROFSNL PRAC SCH PSY

Hour(s) to be arranged. Offered on the credit/no credit basis only. Predoctoral or post-doctoral internship in counseling psychology, mental health, school psychology, educational research, or college teaching in educational psychology. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Required for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.

RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. Individual research planned, carried out, and reported under the supervision of a Graduate Studies Committee member. With consent of the adviser in the student's area of specialization, may be repeated for credit. Investigation of assigned problems under the direction of a Graduate Studies Committee member. With consent of the adviser in the student's area of specialization, may be repeated for credit when the topics vary. Optional for doctoral students in accredited training programs in counseling psychology and school psychology. Prerequisite: Admission to candidacy for a doctoral degree, acceptance as an intern, and consent of instructor and the adviser in the student's area of specialization.

THESIS

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in educational psychology and consent of the adviser in the student's area of specialization; for 698B, Educational Psychology 698A.

THESIS

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in educational psychology and consent of the adviser in the student's area of specialization; for 698B, Educational Psychology 698A.

MASTERS REPORT

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in educational psychology and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Psychology 399R, 699R, or 999R; and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Psychology 399R, 699R, or 999R; and consent of the adviser in the student's area of specialization.

DISSERTATION

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Educational Psychology 399R, 699R, or 999R; and consent of the adviser in the student's area of specialization.
## DEPARTMENT OF KINESIOLOGY AND HEALTH EDUCATION

**Health Education - HED**  
**Kinesiology - KIN**  
**Physical Education - PED**

### HED w627L
**FIELDWORK IN HEALTH PROMOTION**  
Additional hour(s) to be arranged. Applied experiences in development, delivery, or evaluation of professional health promotion programs. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 327L, 627L. Kinesiology 127L, 227L, 327L, 627L. Prerequisite: Upper-division standing, consent of the director of the degree program in kinesiology, and a University grade point average of at least 2.50. A higher grade point average may be required.  
- 75153 TH 800 - 1000 BEL 858 STANFORTH, M

### HED 629K
**CHILD, ADOLESCENT, ADULT HLTH**  
The foundations of child, adolescent, and adult health; health education; and the biological, environmental, and behavioral health determinants of health. Includes the application of evidence-based child, adolescent, and adult health promotion concepts; prominent health risk behaviors established during youth that increase the risk of morbidity and mortality; and the application of personal health and wellness information. Restricted to students in the College of Education.  
- 75140 THWTH 1230 - 3030P BEL 962 LATIMER, L

### HED 637K
**1-FOUNDACTIONS OF HLTH PROMOTHO**  
Course number may be repeated for credit when topics vary. Identification, causation, incidence, prevention, control, and social implications of major problems in health. Introduction to the field of health promotion, as applicable in the fields of health and education: theories, processes, activities, and settings for health promotion practice. Restricted to health promotion students. Prerequisite: Varieties with the topic. 
- 75145 THWTH 1000 - 1230P BEL 858 SPAULDING, C

### HED 6396T
**DIRECTED RSCH IN HEALTH EDUC**  
Hour(s) to be arranged. May be repeated for credit. Investigation of assigned problems under the direction of a Graduate Studies Committee member; development and demonstration of competence in research design and execution; production of an acceptably written research report. Prerequisite: Graduate standing and written consent form.  
- 75150

### HED w396T
**DIRECTED RSCH IN HEALTH EDUC**  
Hour(s) to be arranged. May be repeated for credit. Investigation of assigned problems under the direction of a Graduate Studies Committee member; development and demonstration of competence in research design and execution; production of an acceptably written research report. Prerequisite: Graduate standing and written consent form.  
- 75155

### HED w698A
**THESIS**  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in health education and written consent of the graduate advisor; for 698B, Health Education 698A and written consent of the graduate advisor.  
- 75160

### HED w699B
**THESIS**  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 699B, graduate standing in health education and written consent of the graduate advisor; for 699B, Health Education 699A and written consent of the graduate advisor.  
- 75165

### HED 697T
**TCNNG/SPRYSN IN KIN & HLTH ED**  
Offered on the letter grade basis only. May be repeated for credit. Provides graduate students with the knowledge and ability to teach in higher education. An overview of diverse instructional strategies, common issues in teaching and learning, short and long-term planning, practical aspects of course design and management, as well as assessment and grading practices. Reviews historical perspectives on the research in teaching and learning. Prerequisite: Graduate standing.  
- 75170 TTH 900 - 1200 BEL 710B CASTELLI, D

### HED w699R
**DISSERTATION**  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent form.  
- 75175

### HED w699R
**DISSERTATION**  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent form.  
- 75180

### KIN 1310
**PHYS 1000: BASICS OF CONDITIONING**  
Analysis and discussion of current issues and theories of physical conditioning. Kinesiology 310 and 339 may not both be counted.  
- 75200 THWTHF 1000 - 1230P BEL 602A STANFORTH, P

### KIN 1312
**2-CARE/PREVENT OF ATH INJURIES**  
Course number may be repeated for credit when the topics vary. Analysis and discussion of current issues within the discipline of kinesiology. Principles of athletic training, including mechanisms, signs and symptoms, treatments, and basic rehabilitation of athletic injuries and illnesses.  
- 75205

### KIN 1312M
**MGMT OF PHYS ACT/SPORT PROGS**  
Introductory survey of the field of sport management. Examines various types of sport organizations and introduces the student to practices in marketing, management, sport law, and basic finance. Includes sport-specific management challenges, particularly events and facilities, and considerations for the future, such as social issues.  
- 75205

### KIN 1314
**CHILDREN'S MOVEMENT**  
fee: $15.00  
Additional hour(s) to be arranged. Introduction to children's movement, physical activity, and fitness; professional standards, policy, and legislation; physiological principles and learning principles. Movement skills and appropriate teaching strategies to provide future teachers with the knowledge and skills to provide support and positive, effective physical education classes for children.  
- 75275 MTWTH 900 - 1230P BEL 626B RAMIREZ, T  
- 75280 MTWTH 1000 - 1100P BEL 626B

### KIN 1119
**8-SWIMMING-BASIC CORE**  
fee: $27.00  
Course number may be repeated for credit when the topics vary. Acquisition and knowledge of techniques, with emphasis on learning mechanical and perceptual principles, rules, strategy, and officiating. Designed for kinesiology and health education majors. Development of swimming techniques including instruction in seven swimming strokes, springboard diving, cardiovascular conditioning, exercise physiology concepts, nutrition, personal safety, elementary rescue skills, CPR/AED and basic snorkeling techniques. Provides preparation for American Red Cross certification. Prerequisite: A major or minor in the Department of Kinesiology and Health Education. Additional prerequisite: Comfortable in deep water and able to swim two lengths using two strokes, or consent of instructor. meets with PED 101J (TOPIC 2).  
- 75280 TTH 200 - 430P GRE 2.128 CROWLEY, D  
- 75280 TTH 200 - 430P TSC 1.100 MILLER, C

### 16-SOCIAL DANCE-BASIC CORE-MEN**  
fee: $10.00  
Course number may be repeated for credit when the topics vary. Acquisition and knowledge of techniques, with emphasis on learning mechanical and perceptual principles, rules, strategy, and officiating. Designed for applied movement science majors, and kinesiology and health education majors. Introduction to popular social partner dances, including swing, waltz, salsa, tango, two-step and more. Emphasis on connecting with a dance partner and the art of both leading and following. Prerequisite: A major or minor in the Department of Kinesiology and Health Education. meets with PED 103L (TOPIC 1); KIN 119 (TOPIC 16).  
- 75285 MTWTHF 1130 - 1000P AHG 136 MILLER, C
16-SOCIAL DANCE-BASIC CORE-WOM fee: $10.00
Course number may be repeated for credit when the topics vary. Acquisition and knowledge of techniques with emphasis on learning mechanical and perceptual principles, rules, strategy, and officiating. Designed for applied game science majors, and kinesiology and health education majors. Introduction to social partner dances, including swing, waltz, salsa, tango, two-step and more. Emphasis on connecting with a dance partner and the art of both leading and following. Prerequisite: A major or minor in the Department of Kinesiology and Health Education. Meets with PED 103L (TOPIC 1), KIN 119 (TOPIC 16).
• 75290 MTWTH 1130 - 100P AHG 136 MILLER, C

KIN 521M MOTOR DEVEL AND PERFORMANCE Development of fundamental motor patterns and skills from birth to adolescence, factors that influence motor skill development, such as growth, maturation, and neural and physiological mechanisms. Prerequisite: Upper-division standing.
• 75295 MTW 1000 - 1230P BEL 962 JENSEN, J
• 75300 MTW 1000 - 1230P BEL 962 JENSEN, J
• 75305 MTW 1000 - 1230P BEL 962 JENSEN, J

KIN 524K APPLIED HUMAN ANATOMY fee: $20.00
Combines the study of systemic and regional human anatomy. Includes applications of the skeletal system, and attachments and actions of muscles, with an emphasis on the mechanics of support and motion and their clinical applications. Biology 478L and Kinesiology 324K may not both be counted.
• 75310 MTH 830 - 1000 BEL 962 FARRAR, R
• 75315 MTH 830 - 1000 BEL 962 FARRAR, R
• 75320 MTH 830 - 1000 BEL 962 FARRAR, R

KIN 525K PHYSIOLOGY OF EXERCISE fee: $20.00
Additional hour(s) to be arranged. Application of principles of physiology to muscular activities. Prerequisite: Kinesiology 324K.
• 75325 MTW 1230 - 300P BEL 858 COYLE, E
• 75330 MTW 1230 - 300P BEL 858 COYLE, E

KIN 527L FIELDWORK: AIDING Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted.
• 75335

KIN 527L FIELDWORK IN KINESIOLOGY Additional hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted.
• 75340 TH 800 - 900 BEL 326C JENSEN, J

4-FIELDWORK IN KINESIOLOGY Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted.
• 75345

KIN w327L FIELDWORK IN SPORT MANAGEMENT Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 232L, 627L, Kinesiology 127L, 227L, 327L, 627L. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 327L, 627L. Students taking Kinesiology 127L, 227L, 327L, or 337L as an elective outside the major must register on the pass/fail basis; those using it to fulfill a degree requirement must register on the letter-grade basis; those taking it as an elective within the major may register on either the pass/fail or the letter-grade basis. Prerequisite: Upper-division standing, consent of the director of the degree program in kinesiology, and a University grade point average of at least 2.50. A higher grade point average may be required. Students will be dropped from the course if they have not obtained the director's consent in advance.
• 75350

FIELDWORK-ALD MAJORS Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 232L, 627L, Kinesiology 127L, 227L, 327L, 627L. No more than twelve semester hours in the following courses may be counted: Kinesiology 127L, 227L, 327L, 627L. Students taking Kinesiology 127L, 227L, or 327L, as an elective outside the major must register on the pass/fail basis; those using it to fulfill a degree requirement must register on the letter-grade basis; those taking it as an elective within the major may register on either the pass/fail or the letter-grade basis. Prerequisite: Upper-division standing, consent of the director of the degree program in kinesiology, and a University grade point average of at least 2.50. A higher grade point average may be required. Students will be dropped from the course if they have not obtained the director's consent in advance.
• 75355

4-FIELDWORK IN KINESIOLOGY Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 232L, 627L, Kinesiology 127L, 227L, 327L, 627L. No more than twelve semester hours in the following courses may be counted: Kinesiology 127L, 227L, 327L, 627L. Students taking Kinesiology 127L, 227L, 327L, or 337L, as an elective outside the major must register on the pass/fail basis; those using it to fulfill a degree requirement must register on the letter-grade basis; those taking it as an elective within the major may register on either the pass/fail or the letter-grade basis. Prerequisite: Upper-division standing, consent of the director of the degree program in kinesiology, and a University grade point average of at least 2.50. A higher grade point average may be required. Students will be dropped from the course if they have not obtained the director's consent in advance.
• 75365

KIN 533E NEUROMUSCULAR CONTROL Central and peripheral nervous system control of human muscular contractions and limb movement. Prerequisite: Kinesiology 324K.
• 75370 MTW 800 - 1000 BEL 602B GRIFFIN, L
• 75395 MTW 830 - 1000 BEL 545C

KIN 547 HIST/EITH ISS IN PHYS/CUL/SPORT Designed to provide an overview of the historical antecedents of the modern fitness movement and examine the intellectual and social motivations involved in the pursuit of health and physical fitness. Explores the history of sport science, how laboratory revelations lead to new fitness regimens, and ethical issues in the field of physical culture and sport, such as the use of ergogenic drugs, the social consequences of high performance sport, and professional ethics in the fields of kinesiology and health education.
• 75375 THWTH 1230 - 300P BEL 652B TADD, J

KIN 549 HIST OF SPORT & PHYSICAL ACTIV Significant developments in sport and physical activity since prehistoric time; emphasis on events influencing contemporary American programs and the International Olympic Games. Restricted to students in the Bachelor of Science in Kinesiology and Health with a major in physical culture and sports or sport management. Prerequisite: Upper-division standing.
• 75390 THWTH 1200 - 1230P CLA 1.102 BECKWITH, K

KIN 550 SOCIO ASPECT OF SPORT PHYSACT Kinesiology 350 and 352K (Topic: Sociological Aspects of Sport and Physical Activity) may not both be counted. Restricted to students in the Bachelor of Science in Kinesiology and Health with a major in physical culture and sports or sport management.
• 75395 THWTH 1230 - 300P BEL 326C BOWERS, M

PHILOS OF SPORT AND PHYS ACTIV Designed to introduce the student to the ideas and methodologies of the philosophic exploration of play, sport, athletics, exercise, and the body. Emphasis on the study of sport and ethics. Restricted to students in the Bachelor of Science in Kinesiology and
KIN 396
PROG FOR PEOPLE WITH DISABILS
Intended for students entering educational and clinical fields; content includes sport policy, therapeutic considerations, educational accommodations, and a brief practicum and academic service learning opportunity. Prerequisite: Six semester hours of coursework in kinesiology, or consent of instructor. • 75360 TTHW 300 - 530P BEL 858 OZYURTCU, T

KIN w396T
DIRECTED RESEARCH
Hour(s) to be arranged. May be repeated for credit. Investigation of assigned problems under direction of a Graduate Studies Committee member; development and demonstration of competence in research design and execution; production of an acceptably written research report. Prerequisite: Graduate standing and written consent form. • 75400

KIN w397P
GRADUATE INTERNSHIP
Hour(s) to be arranged. May be repeated for credit. Supervised practice in a professional organization, business, or institution. Prerequisite: Graduate standing, a University grade point average of at least 3.00 and a grade point average in the major department of at least 3.00, and written consent form. • 75405

KIN w698A
THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in kinesiology and written consent of the graduate adviser; for 698B, Kinesiology 698A and written consent of the graduate adviser. • 75410

KIN w698B
THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in kinesiology and written consent of the graduate adviser; for 698B, Kinesiology 698A and written consent of the graduate adviser. • 75415

KIN w398R
Masters' Report
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in kinesiology and written consent of the graduate adviser. • 75420

KIN w399R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent form. • 75430

KIN w699R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent form. • 75440

KIN w999R
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent form. • 75450

KIN w399W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Kinesiology 399R, 699R, or 999R; and written consent form. • 75460

KIN w699W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Kinesiology 399R, 699R, or 999R; and written consent form. • 75475

KIN w999W
DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Kinesiology 399R, 699R, or 999R; and written consent form. • 75490

KIN s312
SPORT INDUSTRY IN AMERICA
Course number may be repeated for credit when the topics vary. Analysis and discussion of current issues within the discipline of kinesiology. • 75450 TTHW 300 - 530P POLLACK, B

KIN s312M
Mgmt of Phys Activ/Sport Progs
Introductory survey of the field of sport management. Examines various types of sport organizations and introduces the student to practices in marketing, management, sport law, and basic finance. Includes sport-specific management challenges, particularly events and facilities, and considerations for the future, such as social issues. • 75460 TTHW 1000 - 1230P SPARVERO, E

KIN s315
MOTOR LEARNING
Psychological factors affecting performance and acquisition of motor skills. Prerequisite: Psychology 301. • 75465 TTHF 1000 - 1230P BEL 602B GRIFFIN, L TTH 1230 - 200P BEL 546C • 75470 TTHF 1000 - 1230P BEL 602B GRIFFIN, L TTH 200 - 330P BEL 546C

KIN s326K
KIN: BIOMECH ANLY OF MOVEMENT
Study of the principles of equilibrium, force, and motion as applied to human movement. Prerequisite: Kinesiology 324K, Mathematics 408C, and Physics 302K or 317K. • 75475 TTHW 900 - 1000P SBZ 284 MCLAGAN, N MW 1000 - 1130P SBZ 434 • 75480 TTHW 900 - 1000P SBZ 284 MCLAGAN, N MW 1230 - 200P SBZ 434

KIN s327L
4-FIELDWORK IN KINESIOLOGY
Hour(s) to be arranged. Supervised fieldwork or clinical work in appropriate activities. May be repeated for credit up to twelve semester hours. No more than twelve semester hours in this course may be counted. No more than twelve semester hours in the following courses may be counted: Health Education 127L, 227L, 327L, 627L, Kinesiology 127L, 227L, 327L, 627L. No more than twelve semester hours in the following courses may be counted: Kinesiology 127L, 227L, 327L, 627L. Students taking Kinesiology 127L, 227L, or 327L as an elective outside the major must register on the pass/fail basis; those using it to fulfill a degree requirement must register on the letter-grade basis; those taking it as elective within the major may register on either the pass/fail or the letter-grade basis. Prerequisite: Upper division standing, consent of the director of the degree program in kinesiology, and a University grade point average of at least 2.50. A higher grade point average may be required. Students will be dropped from the course if they have not obtained the director's consent in advance. • 75484

KIN s334
CHILDREN'S EXERCISE & PHYS ACTIV
Children's changing capacity for performance in exercise and sport. Includes performance changes as a function of physical growth and maturation; physiological response to activity and training; the relationship between children's health and adult health, and the psychosocial parameters that influence participation in physical activity. Prerequisite: Kinesiology 310. • 75485 TTHW 1000 - 1230P BEL 326C JENSEN, J

KIN s348
PSYCH ASPECTS OF EXERCISE
Examines both the psychological benefits that accrue from exercise, such as reduced depression and stress, as well as the psychological predictors of exercise adherence. • 75490 TTHW 1000 - 1330P CLA 1.102 GNAGY, E

KIN s352K
5-SPORT, FITNESS, & MASS MEDIA
Course number may be repeated for credit when the topics vary. Analysis and synthesis of the literature and discussion of current and specific issues in kinesiology. Prerequisite: Varies with the course and is given in the Course Schedule. same as AMS 322 (TOPIC 3). • 75495 TTHW 300 - 530P BEL 602B TODD, J

KIN s353
SPORT LAW
Introduces the legal principles applicable to a variety of sport settings. Topics include tort liability, with a special emphasis on the effective management of risk; and constitutional law issues, focusing on the individual rights of amateur athletes and employees in sport organizations. Restricted to students in the Bachelor of Science in Kinesiology and Health with a major in sport management. • 75500 TTHW 1230 - 300P HUNT, T

KIN s361
COACHING THRY & PRINCIPLES I
Examines the philosophy, ethics, strategies, motivational techniques, performance analysis, program organization, context administration, and facilities management related to coaching. • 75505 TTHW 1000 - 1230P BEL 628 SANDERS, M TTHW 1000 - 1230P BEL 628B

KIN s396T
DIRECTED RESEARCH
Hour(s) to be arranged. May be repeated for credit. Investigation of assigned problems under direction of a Graduate Studies Committee member; development and demonstration of competence in research design and execution; production of an acceptably written research report. Prerequisite: Graduate standing and written consent form. • 75510

KIN s397
RESEARCH PROBLEMS
Hour(s) to be arranged. May be repeated for credit. Individual or group research topics in a specialization area of kinesiology. Prerequisite: Graduate standing and written consent form. Some sections also require consent of instructor; these are identified in the Course Schedule. • 75515

PED 1101J
2-BEGINNING SWIMMING II
Course number may be repeated for credit when the topics vary. Five basic strokes, elementary diving, water safety. For well-adjusted but weak swimmers. meets with KIN 119 (TOPIC B). • 75570 TTH 200 - 430P GRE 2.128 CROWLEY, D F 200 - 430P TSC 1.100

PED 1103L
BEGINNING SOCIAL DANCE-MEN
Course number may be repeated for credit when the topics vary. Prerequisite: Varies with the topic. • 75575 TMTWTH 1130 - 100P AHG 136 MILLER, C

BEGINNING SOCIAL DANCE-WOMEN
Course number may be repeated for credit when the topics vary. Prerequisite: Varies with the topic. • 75580 TMTWTH 1130 - 100P AHG 136 MILLER, C

35
1-BEGINNING SOCIAL DANCE-MEN
Course number may be repeated for credit when the topics vary. Introduction to popu-
lar social dance partners, including swing, waltz, two-step, salsa, tango and more. Emphasis on connect-
ing with a dance partner and the art of leading and following. May not be counted by students with credit in Kinesiology 119. Prerequisite: Varies with the topic. Meets with KIN 119 (TOPIC 16), PED 103L (TOPIC 1).
• 75781 MTWTH 1130 - 100P AHG 136 MILLER, C

1-BEGINNING SOCIAL DANCE-WOMEN
Course number may be repeated for credit when the topics vary. Introduction to popu-
lar social partner dances, including swing, waltz, two-step, salsa, tango and more. Emphasis on connect-
ing with a dance partner and the art of leading and following. May not be counted by students with credit in Kinesiology 119. Prerequisite: Varies with the topic. Meets with KIN 119 (TOPIC 16), PED 103L (TOPIC 1).
• 75682 MTWTHF 1130 - 100P AHG 136 MILLER, C

SCIENCE
Science - SCI
SCI F360
4 PHYSICS BY INQUIRY
Course number may be repeated for credit when the topics vary. Recent advances in the
life, earth, space, and physical sciences. Prerequisite: For certified teachers, a
bachelor's degree or consent of instructor; for others, six semester hours of course-
work in science, in the biological sciences, in one of the physical sciences, or in one of
the earth/space sciences, or consent of instructor. Class meets June 9-25.
• 75635 MTWTHF 400 - 700P SZB 316 MASHALL, J

SCIENCE AND MATHEMATICS EDUCATION
Science-Mathematics Education - SME
DEPARTMENT OF SPECIAL EDUCATION
Special Education - SED
SED F3787
1 LANG MINORITY STUDENT IN SED
Course number may be repeated for credit when the topics vary. Prerequisite: Varies
with the topic. Prerequisite: Applied Learning and Development 322 meets with EDC
350.
• 75690 MTWTH 1000 - 1200 SZB 240 ROJESKI, L

SED F386
11 FND POS BEH SUP/CLS MGMT-WB
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Discussion of behavioral disorders, contributory factors; psychological and edu-
cational diagnoses applied to educational programming. Study of the basic principles of
human behavior, and the application of those principles to teaching positive behav-
or support and designing effective classroom. Designed to prepare teachers and cli-
nicians who will be in general and special education settings with children of all ages
with and without disabilities. Prerequisite: Graduate standing; twelve semester hours of
upper-division coursework in education, psychology, or other behavioral sciences;
including a course in special education; and consent of instructor. Additional prerequi-
sites vary with the topic and are given in the Course Schedule. Taught as a Web-
based course.
• 75695 LITTLE, A

SED F387
16 REHAB COUNSELING THEORS-WB
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Study of rehabilitation counseling: basic orientation and process and procedures;
related biomedical, psychological, and community aspects; specialized programs and
field experiences. Prerequisite: Graduate standing; twelve semester hours of upper-
division coursework in education, psychology, sociology, or other behavioral sciences;
and consent of instructor. Additional prerequisites vary with the topic and are given in
the Course Schedule. Taught as a Web-based course.
• 75700 BROOKS, G

18 VOC ASSMT/JOB PLACEMENT-WB
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Study of rehabilitation counseling: basic orientation and process and procedures;
related biomedical, psychological, and community aspects; specialized programs and
field experiences. The application of career development and job placement concepts to
people with disabilities: Occupational choice, vocational counseling, occupational
aspects of disability, pertinent laws and regulations. Prerequisite: Graduate standing;
division coursework in education, psychology, sociology, or other behavioral sciences;
and consent of instructor. Additional prerequisites vary with the topic and are given in
the Course Schedule. Taught as a Web-based course.
• 75705 HANSMANN, S

SED F393
18 COLLABORATION
Course number may be repeated for credit when the topics vary. Discussion of critical
issues; critiques of literature; development of theories and models regarding disabling
conditions. Strategies such as collaborative consultation and teamwork models, which
are used to improve learning outcomes for students with diverse learning needs. Spe-
cial Education 380 and 393 may not both be counted unless the topics vary. Prerequi-
site: Graduate standing; twelve semester hours of upper-division coursework in edu-
cation, psychology, or other behavioral sciences; and consent of instructor. Meets with
EDC 386G.
• 75710 MTWTH 130 - 400P SZB 292

INDEPEND STD IN AUTISM AND DD
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Individual research planned, executed, and reported under supervision. Special
Education 380 and 395 may not both be counted unless the topics vary. Prerequisite:
Admission to an approved program of graduate study or candidacy for the doctoral
degree in education, or graduate standing and consent of instructor. Additional prereq-
usites vary with the topic and are given in the Course Schedule.
• 75715

INDEPEND STD IN BEHAV DISORD
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Individual research planned, executed, and reported under supervision. Special
Education 380 and 395 may not both be counted unless the topics vary. Prerequisite:
Admission to an approved program of graduate study or candidacy for the doctoral
degree in education, or graduate standing and consent of instructor. Additional prereq-
usites vary with the topic and are given in the Course Schedule.
• 75720

INDEPEND STD IN LEARN DISAB
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Individual research planned, executed, and reported under supervision. Special
Education 380 and 395 may not both be counted unless the topics vary. Prerequisite:
Admission to an approved program of graduate study or candidacy for the doctoral
degree in education, or graduate standing and consent of instructor. Additional prereq-
usites vary with the topic and are given in the Course Schedule.
• 75730

15 INDEPEND STD IN MULTICUL SED
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Individual research planned, executed, and reported under supervision. Special
Education 380 and 395 may not both be counted unless the topics vary. Prerequisite:
Admission to an approved program of graduate study or candidacy for the doctoral
degree in education, or graduate standing and consent of instructor. Additional prereq-
usites vary with the topic and are given in the Course Schedule.
• 75745

RESEARCH MENTORING
Hour(s) to be arranged. Offered on the credit/no credit basis only. Designed to develop
the knowledge and skills students need in order to conduct research. Under the
supervision of a three-member committee, students develop a publishable-quality syn-
thesis of the professional literature on a topic related to their research interests. Re-
quired of all doctoral students prior to admission to candidacy. Prerequisite: For Spe-
cial Education 696A, graduate standing, completion of specializations core require-
ments, at least three graduate courses in research methods and data analysis, and
consent of the graduate advisor; for Special Education 696B, 696A.
• 75740

RESEARCH MENTORING
Hour(s) to be arranged. Offered on the credit/no credit basis only. Designed to develop
the knowledge and skills students need in order to conduct research. Under the
supervision of a three-member committee, students develop a publishable-quality syn-
thesis of the professional literature on a topic related to their research interests. Re-
quired of all doctoral students prior to admission to candidacy. Prerequisite: For Spe-
cial Education 696A, graduate standing, completion of specializations core require-
ments, at least three graduate courses in research methods and data analysis, and
consent of the graduate advisor; for Special Education 696B, 696A.
• 75745

TRENDS/ISSUES IN AUTISM & DD
Course number may be repeated for credit when the topics vary. An examination of cur-
tent trends and issues in areas within special education and rehabilitation counsel-
er education that influence policies and procedures in the public schools, teacher
preparation programs, and community agencies. Prerequisite: Graduate standing;
division coursework in education, psychology, sociology, or other behavioral sciences;
and consent of instructor. Additional prerequisites vary with the topic and are given in
the Course Schedule.
• 75750 MTWTH 130 - 300P SZB 368 FALCOMATA, T

1 DIR RSCH IN SED ADMINISTRAT
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Prerequisite: Graduate standing, twelve semester hours of upper-division
coursework in education, and consent of instructor.
• 75755

2 DIR RSCH IN BEHAV DISORDERS
Hour(s) to be arranged. Course number may be repeated for credit when the topics
vary. Prerequisite: Graduate standing, twelve semester hours of upper-division
coursework in education, and consent of instructor.
• 75760
SED 497C  ADVANCED COLLEGE TEACHING
Hour(s) to be arranged. May be repeated for credit. Supervised teaching experience at the college level. Prerequisite: Graduate standing, admission to an approved program of graduate study or admission to candidacy for the doctoral degree in special education. Special Education 399T, and consent of the graduate adviser.

SED w397P  GRADUATE INTERNSHIP
Hour(s) to be arranged. May be repeated for credit. Supervised practice in a professional position. Prerequisite: Graduate standing, twelve semester hours of upper-division coursework in education, and consent of instructor.

SED w399A  THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 699A, graduate standing in special education and consent of the supervising professor and the graduate adviser; for 699B, Special Education 699A.

SED w398R  MASTER'S REPORT
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in special education and consent of the graduate adviser.

SED s397  17.-SPEC PROBS REHAB COUNS-WB
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study of rehabilitation counseling: basic orientation and process and procedures; related biomedical, psychological, and community aspects; specialized programs and field experiences. Intensive study of specialized problems related to specific disability groups, counseling methods, and concepts in vocational placement. Prerequisite: Graduate standing; twelve semester hours of upper-division coursework in education, psychology, sociology, or other behavioral sciences; and consent of instructor. Additional prerequisites vary with the topic and are given in the Course Schedule. Taught as a Web-based course.

SED s389  4.-LAW AND DISABILITIES
Course number may be repeated for credit when the topics vary. Study of the content and process of special education administration, including technological forecasting methods, case law as it applies to people with disabilities, management of problem employee styles, and related topics. An examination of case law that covers definitions, equal educational opportunity, employment, accessibility, freedom of choice, freedom from residential confinement, housing and zoning restrictions, equal access to medical services, recreation, marriage, children, contracts, ownership and transfer of property, voting, and holding public office. Prerequisite: Graduate standing; twelve semester hours of upper-division coursework in education, psychology, or other behavioral sciences, including a course in special education; and consent of instructor. Meets with EDA 393D.

SED s383  5.-APPLD RSCH IN SED/REHAB COUnS
Course number may be repeated for credit when the topics vary. Discussion of critical issues; critiques of literature; development of theories and models regarding disabling conditions. Special Education 380 and 393 may not both be counted unless the topics vary. Prerequisite: Graduate standing; twelve semester hours of upper-division coursework in education, psychology, or other behavioral sciences; and consent of instructor.

SED s396R  2.-SINGLE-SUBJECT RSCH DESIGN
Course number may be repeated for credit when the topics vary. The use of single-subject research designs to make data-based decisions about program effectiveness and student outcomes; integration of applied/research in classroom instruction as part of evidence-based professional practice in educating students with severe and multiple disabilities. Prerequisite: Graduate standing, twelve semester hours of upper-division coursework in education, and consent of instructor.

SCH S36  BEHAV DISORDR: CONTEMP & HIST
Course number may be repeated for credit when the topics vary. Discussion of behavioral disorders, contributory factors; psychological and educational diagnoses applied to educational programming. Prerequisite: Graduate standing; twelve semester hours of upper-division coursework in education, psychology, or other behavioral sciences, including a course in special education; and consent of instructor. Additional prerequisites vary with the topic and are given in the Course Schedule.

• 75840  MTWTH  800 - 1000 SIZ 388  FLOWER, A
DEPARTMENT OF AEROSPACE ENGINEERING AND ENGINEERING MECHANICS

Aerospace Engineering - ASE
Engineering Mechanics - E M

COCKRELL SCHOOL OF ENGINEERING
ENGINEERING STUDIES

Engineering Studies - E S

GENERAL ENGINEERING

General Engineering - G E

G E 207R SUPPL INSTRUCTION FOR M 408K fee: $144.00
May not be counted toward any engineering degree. Restricted to engineering students. Prerequisite: Concurrent enrollment in Mathematics 408K. Restricted to students in the Summer Bridge Program.

• 75915 TTHWF 800 - 1000 RLM 5.112 SPITEL, G
• 75920 TTHWF 800 - 1000 RLM 6.112 SPITEL, G

AEROSPACE ENGR PROJECTS LAB fee: $72.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Offered on the pass/fail basis only. May be repeated for credit. Directed work on an organized student project in aerospace engineering or engineering mechanics. Prerequisite: At least fifteen semester hours of coursework, a University grade point average of at least 2.50, preparation of a laboratory participation log, and approval by both the faculty member directing the student project and the undergraduate advisor.

• 76005

ENGINEERING COMMUNICATION-SPN fee: $216.00
Technical communication skills for engineers: written and oral reports; individual and collaborative composition; online and traditional research; editing techniques; document design for electronic and hard copy. Open only to aerospace engineering majors. Prerequisite: Rhetoric and Writing 306 or the equivalent with a grade of at least C-. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets June 1-July 10. Faculty-led Abroad Program taught in Barcelona, Spain. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. Meets with M 333T, BME 333T, CE 333T.

• 76008

UNDERGRADUATE HONORS THESIS fee: $216.00
Hour(s) to be arranged. Research performed during two consecutive semesters under the supervision of an engineering faculty member; topics are selected jointly by the student and the faculty member with approval by the director of the Engineering Honors Program. The student makes an oral presentation and writes a thesis. Students pursuing both the Bachelor of Arts, Plan II, and a Bachelor of Science in Engineering may use this course to fulfill the thesis requirement for the Bachelor of Arts, Plan II. Prerequisite: For 679HA, enrollment in the Engineering Honors Program; for 679HB, Aerospace Engineering 679HA and enrollment in the EngineeringHonors Program.

• 76010

R S C H I N A E R O S P A CE E N G I N E E R I N G fee: $72.00
Hour(s) to be arranged. May be repeated for credit. Directed study or research in a selected area of aerospace engineering. Prerequisite: Upper-division standing, a University grade point average of at least 3.00, selection of project, and consent of the faculty member directing project and the undergraduate advisor.

• 76015

R S C H I N A E R O S P A CE E N G I N E E R I N G fee: $144.00
Hour(s) to be arranged. May be repeated for credit. Directed study or research in a selected area of aerospace engineering. Prerequisite: Upper-division standing, a University grade point average of at least 3.00, selection of project, and consent of the faculty member directing project and the undergraduate advisor.

• 76020

R S C H I N A E R O S P A CE E N G I N E E R I N G fee: $216.00
Hour(s) to be arranged. May be repeated for credit. Directed study or research in a selected area of aerospace engineering. Prerequisite: Upper-division standing, a University grade point average of at least 3.00, selection of project, and consent of the faculty member directing project and the undergraduate advisor.

• 76025

R S C H I N S T R U C T U R A L D Y N A M I C S fee: $111.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76030

R E S E A R C H I N F L U I D M E C H A N I C S fee: $111.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76035

R S C H I N G U I D A N C E A N D C O N T R O L fee: $111.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76040

R S C H I N O R B I T A L M E C H A N I C S fee: $111.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76045

R S C H I N S O L I D , S T R U C , & M A T L fee: $111.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76050

R E S E A R C H fee: $222.00
Hour(s) to be arranged. Offered on the credit/nto credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

• 76055

T H E S I S fee: $111.00
Offered on the credit/nto credit basis only. Prerequisite: For 698A, graduate standing in aerospace engineering and consent of the graduate advisor; for 698B, Aerospace Engineering 698A.

• 76060
## Biomedical Engineering - BME

### DEPARTMENT OF BIOMEDICAL ENGINEERING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Type</th>
<th>Prerequisites</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASE w698B</td>
<td>THESIS</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in aerospace engineering and consent of the graduate adviser; for 698B, Aerospace Engineering 698A.</td>
<td>$111.00</td>
</tr>
<tr>
<td>ASE w399R</td>
<td>MASTER'S REPORT</td>
<td>Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in aerospace engineering and consent of the graduate adviser.</td>
<td>$111.00</td>
</tr>
<tr>
<td>E M w399R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>$333.00</td>
</tr>
<tr>
<td>E M w399W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Engineering Mechanics 399R, 699R, or 999R.</td>
<td>$111.00</td>
</tr>
<tr>
<td>E M w699W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Engineering Mechanics 399R, 699R, or 999R.</td>
<td>$222.00</td>
</tr>
<tr>
<td>E M w699W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Engineering Mechanics 399R, 699R, or 999R.</td>
<td>$333.00</td>
</tr>
<tr>
<td>E M s311M</td>
<td>DYNAMICS</td>
<td>Two- and three-dimensional kinematics and dynamics, applied to a broad class of engineering problems. Prerequisite: Engineering Mechanics 306, Mathematics 408D or 408M, and Physics 303K with a grade of at least C- in each.</td>
<td>$216.00</td>
</tr>
<tr>
<td>E M s319</td>
<td>MECHANICS OF SOLIDS</td>
<td>Internal forces and deformations in solids; stress and strain in elastic and plastic solids; application to simple engineering problems. Prerequisite: Engineering Mechanics 306, Mathematics 408D or 408M, and Physics 303K with a grade of at least C- in each.</td>
<td>$216.00</td>
</tr>
</tbody>
</table>

### Biomedical Engineering - BME

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<tr>
<th>Course Code</th>
<th>Course Type</th>
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<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>E M 306</td>
<td>STATICS</td>
<td>Vector algebra, force systems, free-body diagrams; engineering applications of equilibrium, including frames, friction, distributed loads; centroids, moments of inertia. Prerequisite: Mathematics 408D or 408L, and Physics 303K.</td>
<td>$144.00</td>
</tr>
<tr>
<td>E M w697</td>
<td>2-INDIVIDUAL RESEARCH</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor.</td>
<td>$222.00</td>
</tr>
<tr>
<td>E M w397R</td>
<td>INDIVIDUAL RESEARCH</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Must be arranged by mutual agreement between student and faculty member. Prerequisite: Graduate standing.</td>
<td>$111.00</td>
</tr>
<tr>
<td>E M w698A</td>
<td>THESIS</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in engineering mechanics and consent of the supervising professor and the graduate adviser; for 698B, Engineering Mechanics 698A.</td>
<td>$216.00</td>
</tr>
<tr>
<td>E M w698B</td>
<td>THESIS</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in engineering mechanics and consent of the supervising professor and the graduate adviser; for 698B, Engineering Mechanics 698A.</td>
<td>$216.00</td>
</tr>
<tr>
<td>E M w399R</td>
<td>MASTER'S REPORT</td>
<td>Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in engineering mechanics and consent of the graduate adviser.</td>
<td>$111.00</td>
</tr>
<tr>
<td>E M w399R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>$222.00</td>
</tr>
<tr>
<td>E M w699R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>$222.00</td>
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### Biomedical Engineering - BME

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<tbody>
<tr>
<td>BME 221</td>
<td>MEASUREMENT/INSTRUMENTATION LAB</td>
<td>Introduction to the basics of assembling and using instrumentation for the purposes of recording and displaying electrophysiological signals. Mechanical, chemical, and biological principles for biomedical instrumentation. Restricted to biomedical engineering majors. Prerequisite: Biomedical Engineering 311, 113L, 314, 337T, and 335, and credit or registration for Biomedical Engineering 343 and 365.</td>
<td>$322.00</td>
</tr>
<tr>
<td>BME w325LX</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. This course covers the work period of biomedical engineering students in the Cooperative Engineering Program. The student must complete Biomedical Engineering 325LX, 325LY, and 325LZ before grade and degree credits are awarded. Restricted to biomedical engineering majors. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Biomedical Engineering 325LY and appointment for a full-time cooperative work tour; for 325LZ, Biomedical Engineering 325LZ and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
</tr>
<tr>
<td>BME w325LY</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. This course covers the work period of biomedical engineering students in the Cooperative Engineering Program. The student must complete Biomedical Engineering 325LX, 325LY, and 325LZ before grade and degree credits are awarded. Restricted to biomedical engineering majors. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Biomedical Engineering 325LY and appointment for a full-time cooperative work tour; for 325LZ, Biomedical Engineering 325LZ and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
</tr>
<tr>
<td>BME w325LZ</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. This course covers the work period of biomedical engineering students in the Cooperative Engineering Program. The student must complete Biomedical Engineering 325LX, 325LY, and 325LZ before grade and degree credits are awarded. Restricted to biomedical engineering majors. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Biomedical Engineering 325LY and appointment for a full-time cooperative work tour; for 325LZ, Biomedical Engineering 325LZ and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
</tr>
<tr>
<td>BME w225MA</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. This course covers the work period of biomedical engineering students in the Cooperative Engineering Program. The student must complete Biomedical Engineering 225MA and 225MB before a grade and degree credit are awarded.</td>
<td>$322.00</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Fee</td>
<td>Hours</td>
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<tr>
<td>BME w180U</td>
<td>RESEARCH MENTORING</td>
<td>$37.00</td>
<td>(to be arranged)</td>
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<tr>
<td>BME w080M</td>
<td>DUAL MD/PHD PROGRAM WITH UTMB</td>
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<tr>
<td>BME w081</td>
<td>INTERSTITUTIONAL ENROLLMENT</td>
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<td>BME w999R</td>
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<td>BME w377M</td>
<td>MEDICAL INTERNSHIP</td>
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<td>BME w378</td>
<td>RESEARCH INTERNSHIP</td>
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<td>BME w379</td>
<td>MASTERS REPORT</td>
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<td>BME w380</td>
<td>DISSERTATION</td>
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<td>BME w381</td>
<td>DISSERTATION</td>
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<td>BME w382</td>
<td>DISSERTATION</td>
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<td>BME w383</td>
<td>DISSERTATION</td>
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<td>BME w384</td>
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<td>BME w385</td>
<td>DISSERTATION</td>
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<td>BME w386</td>
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<td>BME w387</td>
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<td>BME w389</td>
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Restricted to biomedical engineering majors. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour.

- 76305

BME w225MB

COOPERATIVE ENGINEERING

fee: $322.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. This course covers the work period of biomedical engineering students in the Cooperative Engineering Program. The student must complete Biomedical Engineering 225MA and 225MB before a grade and degree credit are awarded. Restricted to biomedical engineering majors. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Biomedical Engineering 225MA and appointment for a full-time cooperative work tour.

- 76305

BME w125N

COOPERATIVE ENGINEERING

fee: $72.00

Hour(s) to be arranged. May be repeated for credit. Covers the work period of biomedical engineering students in the Cooperative Engineering Program. Restricted to biomedical engineering majors. Prerequisite: Biomedical Engineering 325LZ or 225MB, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour.

- 76305

BME f333T

ENGINEERING COMMUNICATION

fee: $216.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Required for students considering graduate study. Top- ic is selected in conjunction with a faculty member in the Department of Biomedical Engineering or in another approved University department. A final written report or the equivalent is required. Restricted to biomedical engineering majors.

- 76310

MOTHW

- 1130 - 130P

DEMONTE, B

ENGINEERING COMMUNICATION-SPN

fee: $216.00

Advanced communication skills for engineers, with emphasis on biomedical engineering topics. Strategies for written, visual, and interpersonal communication, and for oral presentation. Introduction to library research and to ethical decision making in biomedical engineering. Restricted to biomedical engineering majors. Prerequisite: Rhetoric and Writing 306, and credit or registration for Biomedical Engineering 314 or 214L. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets June 1-July 10. Faculty-led Abroad Program taught in Barcelona, Spain. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. meets with M E 333T, C E 333T, A E 333T.

- 76313

MOORE, D

BME w177

UNDERGRADUATE RESEARCH PROJECT

fee: $72.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Recommended for students considering graduate study. Top- ic is selected in conjunction with a faculty member in the Department of Biomedical Engineering or in another approved University department. A final written report or the equivalent is required. Restricted to biomedical engineering majors.

- 76315

BME w277

UNDERGRADUATE RESEARCH PROJECT

fee: $144.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Recommended for students considering graduate study. Top- ic is selected in conjunction with a faculty member in the Department of Biomedical Engineering or in another approved University department. A final written report or the equivalent is required. Restricted to biomedical engineering majors.

- 76320

BME w377

UNDERGRADUATE RESEARCH PROJECT

fee: $216.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Recommended for students considering graduate study. Top- ic is selected in conjunction with a faculty member in the Department of Biomedical Engineering or in another approved University department. A final written report or the equivalent is required. Restricted to biomedical engineering majors.

- 76325

BME w377M

MEDICAL INTERNSHIP

fee: $216.00

Hour(s) to be arranged. Designed for students considering medical school. Students participate in a variety of medical and clinical activities, including clinical inpatient rounds, outpatient visits, operating room procedures, and medical grand rounds. Restricted to biomedical engineering majors.

- 76330

BME w377R

RESEARCH INTERNSHIP

fee: $216.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Students perform biomedical research with a faculty member at an approved institution. Requires a substantial final report. Restricted to biomedical engineering majors.

- 76335

BME w377S

INDUSTRIAL INTERNSHIP

fee: $216.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Students conduct research in biomedical companies in Texas and nationwide. Research may include development, management, business administration, and other topics. Requires a substantial final report. Restricted to biomedical engineering majors.

- 76340
DEPARTMENT OF CHEMICAL ENGINEERING

Chemical Engineering - CHE

CHE w225MA COOPERATIVE ENGINEERING fee: $322.00
Hour(s) to be arranged. This course covers the work period of chemical engineering students in the Cooperative Engineering Program. The student must complete Chemical Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Chemical Engineering 225MA and appointment for a full-time cooperative work tour.

- 76495

CHE w225MB COOPERATIVE ENGINEERING fee: $322.00
Hour(s) to be arranged. This course covers the work period of chemical engineering students in the Cooperative Engineering Program. The student must complete Chemical Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Chemical Engineering 225MA and appointment for a full-time cooperative work tour.

- 76503

CHE w353 TRANSPORT PHENOMENA fee: $216.00
Basic study of momentum, energy and mass transport; includes viscous and turbulent flow, heat transfer and mass diffusion. Chemical engineering majors must make a grade of at least C- in this course. Prerequisite: Chemical Engineering 317 and Mathematics 427K with a grade of at least C- in each. Students must register in the undergraduate advising office.

- 76504

CHE D03 SEPARATN PROC & MASS TRANSFER fee: $216.00
Design and analysis of equilibrium and mass transfer based on separations such as absorption, chromatography, crystallization, distillation, extraction, and membrane-based processes. Chemical engineering majors must make a grade of at least C- in this course. Prerequisite: Chemical Engineering 322 and 353 with a grade of at least C- in each. Meets with CHE 384.

- 76506

CHE w264 CHEM ENGR PROCESS & PROJ LAB fee: $144.00
Experimental studies of unit operations. Laboratory safety. Statistical data analysis. Written and oral reports. Prerequisite: Chemical Engineering 253M and 363 with a grade of at least C- in each. Students must register in the undergraduate advising office.

- 76510

CHE n372 CHEM REACTOR ANALYSIS AND DSGN fee: $216.00
Planning and design of commercial chemical and biochemical reaction systems for producing fuels, polymers, specialty and consumer products, pharmaceuticals, solid-state devices, and other products. Chemical engineering majors must make a grade of at least C- in this course. Prerequisite: Chemical Engineering 322, 348, and 354 with a grade of at least C- in each.

- 76519

CHE w177K UNDERGRADUATE RESEARCH PROJECT fee: $72.00
Hour(s) to be arranged. Recommended for students considering graduate study. Topic to be selected in conjunction with individual chemical engineering faculty member, with approval by the department chair. A final written report is required. Prerequisite: A grade point average of at least 3.00 in chemical engineering courses. Students must register in the undergraduate advising office.

- 76520

CHE w377K UNDERGRADUATE RESEARCH PROJECT fee: $216.00
Hour(s) to be arranged. Recommended for students considering graduate study. Topic to be selected in conjunction with individual chemical engineering faculty member, with approval by the department chair. A final written report is required. Prerequisite: A grade point average of at least 3.00 in chemical engineering courses. Students must register in the undergraduate advising office.

- 76525

CHE n379 ENGINEERING DSGN MTHS-UTEACH fee: $216.00
Course number may be repeated for credit when the topics vary. Special topics of current interest. Prerequisite: Upper-division standing, and admission to an appropriate major sequence in engineering or consent of the department. Restricted to students in the UTeach Engineering program. Class meets June 9-25. Taught at the J. J. Pickle Research Campus. meets with CHE 384.

- 76527

CHE w379 TOPOICS IN CHEMICAL ENGINEERING fee: $216.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Taught at the J. J. Pickle Research Campus. Meets with CHE 384.

- 76530

CHE f379 ENGINEERING DSGN MTHS-UTEACH fee: $216.00
Course number may be repeated for credit when the topics vary. Special topics of current interest. Prerequisite: Upper-division standing, and admission to an appropriate major sequence in engineering or consent of the department. Restricted to students in the UTeach Engineering program. Class meets June 9-25. Taught at the J. J. Pickle Research Campus. Meets with CHE 384.

- 76537

CHE w384 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 379.

- 76538

CHE w385 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 379.

- 76540

CHE w386 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 383.

- 76545

CHE w387 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 386.

- 76550

CHE w388 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 383.

- 76551

CHE w389 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 385.

- 76558

CHE w390 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 385.

- 76560

CHE w391 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 386.

- 76561

CHE w392 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 385.

- 76562

CHE w393 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 386.

- 76563

CHE w394 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 385.

- 76564

CHE w395 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 386.

- 76565

CHE w396 ENGINEERING DSGN MTHS-UTEACH fee: $111.00
Any number of topics may be taken for credit, and, with consent of instructor, any topic may be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor. Restricted to students in the UTeach Engineering program. Taught at the J. J. Pickle Research Campus. Meets with CHE 385.
CHE w385  RESEARCH  fee: $113.00  Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing in chemical engineering; or graduate standing and consent of instructor.  • 76565

CHE w698A  THESIS  fee: $111.00  Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in chemical engineering and consent of the graduate adviser; for 698B, Chemical Engineering 698A.  • 76570

CHE w698B  THESIS  fee: $111.00  Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in chemical engineering and consent of the graduate adviser; for 698B, Chemical Engineering 698A.  • 76575

CHE w399R  MASTER'S REPORT  fee: $111.00  Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in chemical engineering and consent of the graduate adviser.  • 76580

CHE w399R  DISSERTATION  fee: $111.00  Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.  • 76585

CHE w699R  DISSERTATION  fee: $222.00  Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.  • 76590

CHE w999R  DISSERTATION  fee: $333.00  Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.  • 76595

CHE w399W  DISSERTATION  fee: $111.00  Offered on the credit/no credit basis only. Prerequisite: Chemical Engineering 399R, 699R, or 999R.  • 76600

CHE w699W  DISSERTATION  fee: $222.00  Offered on the credit/no credit basis only. Prerequisite: Chemical Engineering 399R, 699R, or 999R.  • 76605

CHE w999W  DISSERTATION  fee: $333.00  Offered on the credit/no credit basis only. Prerequisite: Chemical Engineering 399R, 699R, or 999R.  • 76610

CHE c322  THERMODYNAMICS  fee: $216.00  Additional hour(s) to be arranged. Introductory course in thermodynamics with special reference to chemical process applications: basic laws, thermodynamic properties of single component systems, expansion and compression of fluids, heat engines, multi-component systems, physical equilibrium, chemical equilibrium. Chemical engineering majors must make a grade of at least C- in this course. Prerequisite: Chemical Engineering 210, 317, Chemistry 353, and Mathematics 427K with a grade of at least C- in each.  • 76615 TWTHF 100 - 230P CPE 2 220 SANCHEZ, I

CHE s185  RESEARCH  fee: $37.00  Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor.  • 76620

CHE c385  RESEARCH  fee: $113.00  Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing in chemical engineering, or graduate standing and consent of instructor.  • 76625

DEPARTMENT OF CIVIL, ARCHITECTURAL, AND ENVIRONMENTAL ENGINEERING

Architectural Engineering - ARE

Civil Engineering - C E

ARE n323K  PROJECT MANAGEMENT & ECONOMICS  fee: $216.00  Solving economic problems related to construction and engineering: construction project management techniques; characteristics of construction organizations, equipment, and methods. Prerequisite: Mathematics 408D or 408M.  • 76680 TWTH 830 - 100P ECI 6 406 MCLEOD, J

ARE w325LX  COOPERATIVE ENGINEERING  fee: $322.00  Hour(s) to be arranged. May be repeated for credit. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. The student must complete Architectural Engineering 325LX, 325LY, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Architectural Engineering 325LY and appointment for a full-time cooperative work tour.  • 76695

ARE w325LY  COOPERATIVE ENGINEERING  fee: $322.00  Hour(s) to be arranged. May be repeated for credit. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. The student must complete Architectural Engineering 325LX, 325LY, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Architectural Engineering 325LY and appointment for a full-time cooperative work tour.  • 76695

ARE w325LZ  COOPERATIVE ENGINEERING  fee: $322.00  Hour(s) to be arranged. May be repeated for credit. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. The student must complete Architectural Engineering 325LX, 325LY, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325LX, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Architectural Engineering 325LY and appointment for a full-time cooperative work tour.  • 76695

ARE w225MA  COOPERATIVE ENGINEERING  fee: $322.00  Hour(s) to be arranged. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. The student must complete Architectural Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Architectural Engineering 225MA and appointment for a full-time cooperative work tour.  • 76700

ARE w225MB  COOPERATIVE ENGINEERING  fee: $322.00  Hour(s) to be arranged. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. The student must complete Architectural Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Architectural Engineering 225MA and appointment for a full-time cooperative work tour.  • 76705

ARE w125N  COOPERATIVE ENGINEERING  fee: $72.00  Hour(s) to be arranged. May be repeated for credit. This course covers the work period of architectural engineering students in the Cooperative Engineering Program. Prerequisite: Architectural Engineering 225MA or 225MB, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour.  • 76710

ARE f356  COST ESTIMATING IN BLDG CONSTR  fee: $216.00  Additional hours(s) to be arranged. Building construction estimating from plans and specifications, unit prices, lump sum estimates, job sites, overhead, general overhead, and bidding procedures. Estimating methods throughout the design process. Prerequisite: Chemical Engineering 335.  • 76715 TWTH 400 - 700P ECI 7 208 KUNTZ, K

ARE n366  CONTRACTS, LIABILITY & ETHICS  fee: $216.00  Additional hour(s) to be arranged. Legal aspects of engineering and construction contracts: contract formation, interpretation, rights and duties, and changes; legal liabilities and professional ethics of architects, engineers, and contractors. Prerequisite: Admission to the major sequence in civil engineering or architectural engineering.  • 76720 TWTHF 1200 - 100P ECJ 5 410 BORCHERING, J

ARE w177K  STUDIES IN ARCHITECTURAL ENGR  fee: $72.00  Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Various specified topics or conference course. Some topics offered on the pass/fail basis only. Prerequisite: Varies with the topic.  • 76725

ARE w277K  STUDIES IN ARCHITECTURAL ENGR  fee: $144.00  Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Various specified topics or conference course. Some topics offered on the pass/fail basis only. Prerequisite: Varies with the topic.  • 76730

ARE w377K  STD'S IN ARCHITECTURAL ENGR-HON  fee: $216.00  Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Various specified topics or conference course. Some topics offered on the pass/fail basis only. Prerequisite: Varies with the topic. Restricted to students in the Engineering Honors Program.  • 76735
C E n319F  ELEMENTARY MECHANICS OF FLUIDS  fee: $216.00  
Additional hour(s) to be arranged. Fluid properties, hydrostatics, elements of fluid dyna-
namics, energy and momentum, boundary layers, similarity, pipe flow, metering in-
struments, drag forces. Civil Engineering 319F and Mechanical Engineering 330 may
not both be counted. Prerequisite: Engineering Mechanics 265. 
  - 76825  MWF  830 - 1000 EJC 9.236  LILJESTRAND, H 
  - 76830  MWF  930 - 1000 EJC 9.112A  LILJESTRAND, H 
C E w325LX  COOPERATIVE ENGINEERING  fee: $322.00  
Hour(s) to be arranged. May be repeated for credit. This course covers the work peri-
od of civil engineering students in the Cooperative Engineering Program. The student must complete Civil Engi-
neering 225MA and 225MB before a grade and degree credit are awarded. Prerequi-
site: For 225LA, application to become a member of the Cooperative Engineering Program, approval of the
dean, and appointment for a full-time cooperative work tour; for 225LB, Civil Engineering 225MA and appointment for a full-time cooperative work tour. 
  - 76835  
C E w325LY  COOPERATIVE ENGINEERING  fee: $322.00  
Hour(s) to be arranged. May be repeated for credit. This course covers the work peri-
od of civil engineering students in the Cooperative Engineering Program. The student must complete Civil Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225LA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour for 225LY, Civil Engineering 225ML and appointment for a full-time cooperative work tour for 225LY, Civil Engineering 225LY and appointment for a full-time cooperative work tour. 
  - 76840  
C E w325LZ  COOPERATIVE ENGINEERING  fee: $322.00  
Hour(s) to be arranged. May be repeated for credit. This course covers the work peri-
od of civil engineering students in the Cooperative Engineering Program. The student must complete Civil Engineering 225ML and 225LY before a grade and degree credit are awarded. Prerequisite: For 225LA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour for 225LY, Civil Engineering 225ML and appointment for a full-time cooperative work tour for 225LY, Civil Engineering 225LY and appointment for a full-time cooperative work tour. 
  - 76845  

STUDIES IN CIVIL ENGINEERING  
fee: $216.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Various specified topics or conference course. Some topics are offered on the pass/fail basis only. Prerequisite: Varies with the topic and is given in the Course Schedule.

• 76995

C E w387G  
ENGINEERING GEOLOGY  
fee: $111.00

Additional hour(s) to be arranged. Fundamental concepts of geology, including geo-tectonic time and plate tectonics. Interactions among earth materials, landsforms, and geo-logic processes across a range of spatial and temporal scales. Emphasizes common interests shared by engineers and geologists, as well as gaps between the disciplines, such as those posed by the geologic vocabulary. Prerequisite: Graduate standing in civil engineering.

• 76900  
  TTH  
  1000 - 1130  
  ECJ 7.202  
  WOODRUFF, C

• 76995  
  TH  
  100 - 400P  
  ECJ 7.202

C E n385U  
3-ADVANCED LEGAL CONCEPTS  
fee: $111.00

Course number may be repeated for credit when the topics vary. Contracts, documentation requirements, claims avoidance, and settlement of claims by alternative dispute resolution. Students conduct and present in-depth studies of the most frequent causes of claims (delay, disruption, acceleration, soil conditions, and changes) and consider the court establishes causation and determines damages. Prerequisite: Graduate standing and consent of instructor. same as ARE 395U (TOPIC 3).

• 76905  
  M  
  400 - 900P  
  ECJ 7.202  
  NELSON, S

C E w397  
SPECIAL STUDIES IN CIVIL ENGR  
fee: $111.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. With consent of instructor, any topic may be repeated for credit. Some topics may be offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. Additional prerequisites vary with the topic and are given in the Course Schedule. Restricted to students approved for a special independent studies research project.

• 76910

C E w197S  
SPEC INDEP STD'S IN CIVIL ENGR  
fee: $37.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76915

C E w297S  
SPEC INDEP STD'S IN CIVIL ENGR  
fee: $74.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76920

C E w397S  
14-MASTER'S RESEARCH  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76925

15-DISSERTATION RESEARCH  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76930

C E w697S  
14-MASTER'S RESEARCH  
fee: $222.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76935

15-DISSERTATION RESEARCH  
fee: $222.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of adviser.

• 76940

C E w698A  
THESIS  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in civil engineering and consent of the graduate adviser; for 698B, Civil Engineering 698A.

• 76945

C E w698B  
THESIS  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in civil engineering and consent of the graduate adviser; for 698B, Civil Engineering 698A.

• 76950

C E w398D  
DEPARTMENTAL REPORT  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the Master's degree under the departmental report option. Prerequisite: Graduate standing in civil engineering and consent of the supervising professor and the graduate adviser.

• 76955

C E w398R  
MASTER'S REPORT  
fee: $111.00

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the Master of Science in Engineering degree under the Graduate School report option. Prerequisite: Graduate standing in civil engineering and consent of the supervising professor and the graduate adviser.

• 76960

C E w399R  
DISSERTATION  
fee: $111.00

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

• 76965

C E w699R  
DISSERTATION  
fee: $222.00

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

• 76970

C E w799R  
DISSERTATION  
fee: $333.00

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

• 76975

C E w399W  
DISSERTATION  
fee: $111.00

Offered on the credit/no credit basis only. Prerequisite: Civil Engineering 399R, 699R, or 999R.

• 76980

C E w699W  
DISSERTATION  
fee: $222.00

Offered on the credit/no credit basis only. Prerequisite: Civil Engineering 399R, 699R, or 999R.

• 76985

C E w999W  
DISSERTATION  
fee: $333.00

Offered on the credit/no credit basis only. Prerequisite: Civil Engineering 399R, 699R, or 999R.

• 76990

C E s342  
WATER & WASTEWTR TREATMT ENGR  
fee: $216.00

Additional hour(s) to be arranged. Application of chemical, biological, and physical principles to the analysis and design of treatment processes for drinking water, industrial process water, municipal wastewater, and water reuse applications. Prerequisite: Credit or registration for Civil Engineering 319F and credit for Civil Engineering 341.

• 76995  
  T/W/TH  
  100 - 330P  
  ECJ 9.236  
  KIRISITS, M

C E s397  
SPECIAL STUDIES IN CIVIL ENGR  
fee: $111.00

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. With consent of instructor, any topic may be repeated for credit. Some topics may be offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. Additional prerequisites vary with the topic and are given in the Course Schedule. Restricted to students approved for a special independent studies research project.

• 77000

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Electrical Engineering - E E

E E w312  
SOFTWARE DESIGN AND IMPLEMENTATION I  
fee: $216.00

Basic problem solving, design and implementation techniques for imperative programming, structured programming in the C/C++ language; programming idioms; introduction to software design principles, including modularity, coupling and cohesion; introduction to software engineering tools; elementary data structures; asymptotic analysis. Prerequisite: The following coursework with a grade of at least C-: Biomedical Engineering 303 or Electrical Engineering 306, and Electrical Engineering 318K.

• 77055  
  MWF  
  1000 - 1130  
  RLM 5.126  
  CHASE, C

• 77060  
  MWF  
  230 - 400P  
  ETC 2.102  
  BARD, W

E E w351K  
PROBABILITY & RANDOM PROCESSES  
fee: $216.00

Probability, random variables, statistics, and random processes, including counting, independence, conditioning, expectation, density functions, distributions, law of large numbers, central limit theorem, confidence intervals, hypothesis testing, statistical estimation, stationary processes, Markov chains, and ergodicity. Prerequisite: Electrical Engineering 313 with a grade of at least C-.

• 77065  
  MWF  
  1000 - 1130  
  RLM 5.126  
  CHASE, C

E E w360C  
ALGORITHMS  
fee: $216.00

Advanced problem solving methods; algorithm design principles; complexity analysis; study of the nature, impact, and handling of intractability; study of common algorithmic classes and their applications. Prerequisite: Computer Sciences 312 or Electrical Engineering 312 with a grade of at least C-; and Computer Science 313K or Mathematics 325K with a grade of at least C-.

• 77065  
  MWF  
  1130 - 100P  
  ETC 2.220  
  TOUBA, N

E E w362K  
INTRO TO AUTOMATIC CONTROL  
fee: $216.00

Analysis of linear automatic control systems in time and frequency domains; stability analysis; state variable analysis of continuous-time and discrete-time systems; root locus; Nyquist diagrams; Bode plots; sensitivity; lead and lag compensation. Prerequisite: Upper-division standing, and Electrical Engineering 313 and Mathematics 340L with a grade of at least C- in each.

• 77070  
  MWF  
  1000 - 1130  
  ETC 2.114  
  PRYOR, M
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<th>Course</th>
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<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>E E 397C</td>
<td>RESEARCH PROBLEMS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Problem selected by the student with approval of the department.</td>
<td>77075</td>
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<tr>
<td>E E 397G</td>
<td>RESEARCH PROBLEMS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Problem selected by the student with approval of the department.</td>
<td>77080</td>
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<tr>
<td>E E 397M</td>
<td>GRADUATE RESEARCH INTERNSHIP</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Research associated with enrollment in the Graduate Research Internship Program (GRIP). Prerequisite:</td>
<td>77090</td>
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<tr>
<td>E E 698A</td>
<td>THESIS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only.</td>
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<tr>
<td>E E 698R</td>
<td>MASTER'S REPORT</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option.</td>
<td>77110</td>
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<td>E E 699R</td>
<td>DISSERTATION</td>
<td>fee: $111.00</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>77120</td>
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<tr>
<td>E E 699R</td>
<td>DISSERTATION</td>
<td>fee: $222.00</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>77125</td>
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<td>E E 699R</td>
<td>DISSERTATION</td>
<td>fee: $333.00</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>77130</td>
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<td>E E 699W</td>
<td>DISSERTATION</td>
<td>fee: $222.00</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Electrical Engineering 399R, 699R, or 999R.</td>
<td>77140</td>
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<tr>
<td>E E 699W</td>
<td>DISSERTATION</td>
<td>fee: $333.00</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Electrical Engineering 399R, 699R, or 999R.</td>
<td>77145</td>
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<tr>
<td>E E s397C</td>
<td>RESEARCH PROBLEMS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Problem selected by the student with approval of the department.</td>
<td>77150</td>
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<td>ENM w397P</td>
<td>PROJECTS IN ENGR MANAGEMENT</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class.</td>
<td>77200</td>
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<td>ENM w698A</td>
<td>THESIS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in engineering management and consent of the graduate adviser.</td>
<td>77210</td>
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<td>ENM w698B</td>
<td>THESIS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in engineering management and consent of the graduate adviser.</td>
<td>77220</td>
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<tr>
<td>ENM s397K</td>
<td>ENGINEERING MANAGEMENT SEMINAR</td>
<td>fee: $111.00</td>
<td>Offered on the credit/no credit basis only. May be repeated for credit. Current topics in engineering management. Prerequisite: Graduate standing and admission to the engineering management degree program.</td>
<td>77225</td>
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<tr>
<td>MFG w698A</td>
<td>THESIS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser.</td>
<td>77230</td>
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<td>MFG w698B</td>
<td>THESIS</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser.</td>
<td>77240</td>
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<tr>
<td>MFG w398R</td>
<td>MASTER'S REPORT</td>
<td>fee: $111.00</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser.</td>
<td>77250</td>
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</table>
| Manufacturing Systems Engineering - MFG
| MFG w698A       | THESIS | fee: $111.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser. | 77260 |
| MFG w698B       | THESIS | fee: $111.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser. | 77270 |
| MFG w398R       | MASTER'S REPORT | fee: $111.00 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A; graduate standing in manufacturing systems engineering and consent of the graduate adviser. | 77280 |
### MATERIALS SCIENCE AND ENGINEERING

Materials Science and Engineering - MSE

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Fee</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tr>
<td>MSE w197R</td>
<td>RESEARCH</td>
<td>Offered on the credit/no credit basis. May be repeated for credit. Prerequisite: Graduate standing.</td>
<td>$37.00</td>
<td>TTH</td>
<td>130</td>
<td>ETC 310</td>
<td>KRUEGER, T</td>
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<tr>
<td>MSE w397R</td>
<td>RESEARCH</td>
<td>Offered on the credit/no credit basis. May be repeated for credit. Prerequisite: Graduate standing.</td>
<td>$111.00</td>
<td>TTH</td>
<td>130</td>
<td>ETC 310</td>
<td>KRUEGER, T</td>
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<tr>
<td>MSE w698A</td>
<td>THESIS</td>
<td>Offered on the credit/no credit basis. Prerequisite: For MSE 698A, graduate standing in materials science and engineering and consent of the graduate adviser; for MSE 698B, Materials Science and Engineering 698A.</td>
<td>$111.00</td>
<td>TTH</td>
<td>130</td>
<td>ETC 310</td>
<td>KRUEGER, T</td>
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<tr>
<td>MSE w698B</td>
<td>THESIS</td>
<td>Offered on the credit/no credit basis. Prerequisite: For MSE 698A, graduate standing in materials science and engineering and consent of the graduate adviser; for MSE 698B, Materials Science and Engineering 698A.</td>
<td>$111.00</td>
<td>TTH</td>
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<td>KRUEGER, T</td>
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<tr>
<td>MSE w398R</td>
<td>MASTER'S REPORT</td>
<td>Offered on the credit/no credit basis. Preparation of a report for the master's degree under the report option. Prerequisite: Graduate standing in materials science and engineering and consent of the graduate adviser.</td>
<td>$111.00</td>
<td>TTH</td>
<td>130</td>
<td>ETC 310</td>
<td>KRUEGER, T</td>
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<tr>
<td>MSE w399R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis. Research leading to the Doctor of Philosophy in materials science and engineering. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>$111.00</td>
<td>TTH</td>
<td>130</td>
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<tr>
<td>MSE w699R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis. Research leading to the Doctor of Philosophy in materials science and engineering. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>$222.00</td>
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<tr>
<td>MSE w399W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis. Research leading to the Doctor of Philosophy in materials science and engineering. Prerequisite: Materials Science and Engineering 399W, 699R, or 999R.</td>
<td>$333.00</td>
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<td>MSE w699W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis. Research leading to the Doctor of Philosophy in materials science and engineering. Prerequisite: Materials Science and Engineering 399R, 699R, or 999R.</td>
<td>$222.00</td>
<td>TTH</td>
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<td>MSE w999W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis. Research leading to the Doctor of Philosophy in materials science and engineering. Prerequisite: Materials Science and Engineering 399R, 699R, or 999R.</td>
<td>$333.00</td>
<td>TTH</td>
<td>130</td>
<td>ETC 310</td>
<td>KRUEGER, T</td>
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### DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering - M E

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<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Fee</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>M E n302</td>
<td>INTRO TO ENGR DSGN &amp; GRAPHICS</td>
<td>Introduction to mechanical engineering education and practice through lectures and laboratory experiences. Graphics and modeling fundamentals for engineering design: freehand sketching, computer modeling of solid geometry, and generation of engineering drawings. Introduction to reverse engineering, computer-aided design, rapid prototyping, and manufacturing. Application of the design process and problem solving through individual and team projects. Only one of the following may be counted: Mechanical Engineering 302, 210, 210H. Prerequisite: Credit or registration for Mathematics 408C or 408K (or credit for 308K). Meets with M E 210.</td>
<td>$216.00</td>
<td>TTH</td>
<td>100</td>
<td>400P</td>
<td>ETC 3142</td>
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<tr>
<td>M E n210</td>
<td>ENGINEERING DESIGN GRAPHICS</td>
<td>Graphics and modeling fundamentals for engineering design: freehand sketching, computer modeling of solid geometry, and generation of engineering drawings. Introduction to reverse engineering, computer-aided design, rapid prototyping, and manufacturing. Application of the design process to problem solving. Individual and team design projects. Only one of the following may be counted: Mechanical Engineering 302, 210, 210H. May not be counted toward the Bachelor of Science in Mechanical Engineering degree. Prerequisite: Credit or registration for Mathematics 408C or 408K (or credit for 308K). Meets with M E 302.</td>
<td>$144.00</td>
<td>TTH</td>
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<td>400P</td>
<td>ETC 3142</td>
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<tr>
<td>M E w325LX</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. This course covers the work period of mechanical engineering students in the Cooperative Engineering Program. Only one of the following may be counted: Mechanical Engineering 325L, 325K, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325L, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325K, Mechanical Engineering 325L and appointment for a full-time cooperative work tour; for 325L, Mechanical Engineering 325LY and appointment for a full-time cooperative work tour.</td>
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<td>400P</td>
<td>ETC 3142</td>
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<td>M E w325LY</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. This course covers the work period of mechanical engineering students in the Cooperative Engineering Program. Only one of the following may be counted: Mechanical Engineering 325L, 325K, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325L, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LY, Mechanical Engineering 325LX and appointment for a full-time cooperative work tour; for 325L, Mechanical Engineering 325LY and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
<td>TTH</td>
<td>100</td>
<td>400P</td>
<td>ETC 3142</td>
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<td>M E w325LZ</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. This course covers the work period of mechanical engineering students in the Cooperative Engineering Program. Only one of the following may be counted: Mechanical Engineering 325L, 325K, and 325LZ before a grade and degree credit are awarded. Prerequisite: For 325L, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 325LZ, Mechanical Engineering 325L and appointment for a full-time cooperative work tour; for 325LY, Mechanical Engineering 325LX and appointment for a full-time cooperative work tour; for 325L, Mechanical Engineering 325LY and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
<td>TTH</td>
<td>100</td>
<td>400P</td>
<td>ETC 3142</td>
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<tr>
<td>M E w225MA</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. This course covers the work period of mechanical engineering students in the Cooperative Engineering Program. The student must complete Mechanical Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Mechanical Engineering 225MA and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
<td>TTH</td>
<td>100</td>
<td>400P</td>
<td>ETC 3142</td>
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<td>M E w225MB</td>
<td>COOPERATIVE ENGINEERING</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. This course covers the work period of mechanical engineering students in the Cooperative Engineering Program. The student must complete Mechanical Engineering 225MA and 225MB before a grade and degree credit are awarded. Prerequisite: For 225MA, application to become a member of the Cooperative Engineering Program, approval of the dean, and appointment for a full-time cooperative work tour; for 225MB, Mechanical Engineering 225MA and appointment for a full-time cooperative work tour.</td>
<td>$322.00</td>
<td>TTH</td>
<td>100</td>
<td>400P</td>
<td>ETC 3142</td>
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</tbody>
</table>
M E n326

THERMODYNAMICS

Properties, heat and work, first and second laws, thermodynamic processes, introduction to ideal power cycles. Mechanical Engineering 326 may not both be counted. Prerequisite: Chemistry 301, Mathematics 408D, and Physics 303K with a grade of at least C- in each.

• 77495 MWF 1000 - 1200 ETC 7.111 MATTHEWS, R

M E n337T

ENGINEERING COMMUNICATION-SPN

Professional communication skills for engineers, with emphasis on research, writing, and oral presentation on topics of social and technical significance in engineering. Mechanical Engineering 333T and 337T may not both be counted. Prerequisite: Rheotronics and Writing 306 with a grade of at least C- and credit or registration for Mechanical Engineering 130L. Restricted enrollment; consult Study Abroad for permission to register for this class. Class meets June 1 - July 10.

M E n334

MATERIALS ENGINEERING

Fundamental aspects of the structure, properties, and behavior of engineering materials. Prerequisite: The following courses with a grade of at least C- in each: Chemistry 301, Mechanical Engineering 302, Physics 303K, Physics 303L, and credit or registration for Mechanical Engineering 134L, Physics 303L, and Engineering Mechanics 319; and admission to an appropriate major sequence in engineering.

• 77500 MWF 800 - 1000 ETC 2.114 RABENBERG, L

M E n134L

MATERIALS ENGINEERING LAB

Hands-on experiments in materials science and engineering topics and microstructure-property relationships discussed in Mechanical Engineering 334. Prerequisite: Mechanical Engineering 302 with a grade of at least C-, concurrent enrollment in Mechanical Engineering 334, and admission to an appropriate major sequence in engineering.

• 77505 M 500 - 600P ETC 2.114 RABENBERG, L

M E n338

MACHINE ELEMENTS

Additional hour(s) to be arranged: Analysis for the design and manufacture of basic mechanical elements, and the role in the design of machines; application of finite element modeling. Prerequisite: Engineering Mechanics 319 and Mechanical Engineering 334 (or 311) or the equivalent with a grade of at least C- in each, and admission to an appropriate major sequence in engineering.

• 77525 MWF 200 - 400P ETC 5.132

M E n340

MECHATRONICS

Theory and application of electrical circuits, electronics, and electromechanical devices; concepts in electrical power transmission; instrumentation; feedback; integration of electronics and instrumentation with mechanical engineering systems (mechatronics). Prerequisite: Mathematics 408D, Mechanical Engineering 205 or 318M, and Physics 303L and 103H with a grade of at least C- in each, concurrent enrollment in Mechanical Engineering 140L, and admission to an appropriate major sequence in engineering.

• 77530 TH 1030 - 1050P ETC 2.136

M E n140L

MECHATRONICS LABORATORY

Additional hour(s) to be arranged: Hands-on laboratory using hand-held bench-top electronic test and prototyping equipment for circuits and mechatronics applications; computer-aided instrumentation and data acquisition; laboratory study in design, prototyping, and testing with electrical and electronics components and electromechanical devices. Prerequisite: Mechanical Engineering 205 or 318M, concurrent enrollment in Mechanical Engineering 340, and admission to an appropriate major sequence in engineering.

• 77535 M 1200 - 1300P ETC 2.136 MASADA, G

M E n344

DYNAMIC SYSTEMS AND CONTROLS

Lumped physical system models; electrical, fluid, mechanical, and thermal system analysis; linear system transient, steady-state behavior; introduction to feedback control. Prerequisite: Mathematics 427K and Mechanical Engineering 205 or 318M, and 324 with a grade of at least C- in each; Mechanical Engineering 340 and 140L or their equivalents with a grade of at least C- in each; concurrent enrollment in Mechanical Engineering 144L or 244L, and admission to an appropriate major sequence in engineering.

• 77545 M 1200 - 1300P ETC 2.136 MASADA, G

M E w144L

DYNAMIC SYSTEMS & CONTROLS LAB

Modeling of engineering systems, digital simulation, and assessment of results with experimental study; methods for analysis of first- and second-order systems, system identification, frequency response and feedback control principles; hands-on experiment with mechanical, fluid, electrical, and magnetic systems; data acquisition and analysis using oscilloscopes and microcomputer-based analog-to-digital and digital-to-analog conversion; theoretical and practical principles governing the design and use of various sensors and transducers. Prerequisite: Concurrent enrollment in Mechanical Engineering 344, and admission to an appropriate major sequence in engineering.

• 77555 MWF 200 - 500P ETC 7.146

M E w136L

RADIATION & RAD PROTECTION LAB

Additional hour(s) to be arranged: Introduction to the application of radiation and radiation protection instrumentation. Lecture and laboratory topics include personnel monitoring, radiation detection systems, gamma-ray spectroscopy, determination of environmental radiation, counting statistics, gamma and neutron shielding, and air sampling. Prerequisite: For engineering majors, Mechanical Engineering 218 with a grade of at least C-, Physics 303L, and 103H with a grade of at least C- in each, and admission to an appropriate major sequence in engineering; for others, upper-division standing and written consent of instructor. Class meets May 18-June 2. Taught at the J.J. Pickle Research Campus. Meets with M.E. 298N.

• 77570 MTWTHF 900 - 1200 ETC 1.110 BIELAGLIS, S

M E w366J

MECH ENGR DESIGN METHODOLOGY

An examination of structured methodologies for designing mechanical systems; reverse engineering/redesign projects and conceptual design projects. Restricted to students admitted to an appropriate engineering major sequence. Prerequisite: The following coursework with a grade of at least C- in each: Mechanical Engineering 302, 330, 130L, 335, 338, 339, 139L, 340, and 140L; one of the following with a grade of at least C-: Mechanical Engineering 333T, 333H, Aerospace Engineering 333T, Biomedical Engineering 333T, Chemical Engineering 333T, Civil Engineering 333T, Electrical Engineering 333T, or Petroleum and Geosystems Engineering.

• 77575 MWF 1200 - 200P ETC 4.150

M E w266P

DESIGN PROJECT LABORATORY

Development of individual team project in association with faculty adviser and sponsoring engineer. Prerequisite: Mechanical Engineering 344, 144L, 244L, 353, and 366J with a grade of at least C- in each.

• 77585 MTWTHF 200 - 500P ETC 4.150 CRAWFORD, R

M E n377K

PROJECTS IN MECHANICAL ENGR

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Independent project carried out under the supervision of a faculty member in mechanical engineering. Student prepares a project proposal and a final report, each of which is evaluated by the faculty committee on individual projects. Only one of the following may be counted: Mechanical Engineering 325L, 326K, 371K, 373K, 374K, 375K, 376K, 377K. Prerequisite: A University grade point average of at least 2.50 and a grade point average in each; concurrent enrollment in Mechanical Engineering 371K, 373K, 374K, 375K, 376K, or 377K.

• 77610

M E w180M

RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.

• 77615

M E w280M

RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.

• 77620

M E n380M

RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.

• 77630
M E w680M RESEARCH
fee: $222.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.
• 77635

M E w390N HEALTH PHYSICS LABORATORY
fee: $111.00
The application of radiation and radiation protection instrumentation. Includes personnel monitoring; radiation detection systems; gamma-ray spectroscopy; determination of environmental radiation; counting statistics; and gamma and neutron shielding. Prerequisite: Graduate standing. Class meets May 18-June 2. Taught at the J.J. Pickle Research Campus. meets with M E 361F.
• 77640 MTWTHF 800 - 1200 NEL 1.100
BIEGALSKI, S

M E w397M GRADUATE RESEARCH INTERNSHIP
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Research associated with enrollment in the Graduate Research Internship Program (GRIP). Prerequisite: Graduate standing and consent of instructor and the dean of the Cockrell School of Engineering.
• 77645

M E w397P PROJECTS IN MECHANICAL ENGR
fee: $111.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Independent project carried out under the supervision of a mechanical engineering faculty member. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.
• 77650

M E w698A THESIS
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in mechanical engineering and consent of the graduate adviser; for 698B, Mechanical Engineering 698A.
• 77655

M E w698B THESIS
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in mechanical engineering and consent of the graduate adviser; for 698B, Mechanical Engineering 698A.
• 77660

M E w398R MASTER'S REPORT
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in mechanical engineering and consent of the graduate adviser.
• 77665

M E w399R DISSERTATION
fee: $111.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77670

M E w699R DISSERTATION
fee: $222.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77675

M E w999R DISSERTATION
fee: $333.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77680

M E w399W DISSERTATION
fee: $111.00
Offered on the credit/no credit basis only. Prerequisite: Mechanical Engineering 399R, 699R, or 999R.
• 77685

M E w699W DISSERTATION
fee: $222.00
Offered on the credit/no credit basis only. Prerequisite: Mechanical Engineering 399R, 699R, or 999R.
• 77690

M E w999W DISSERTATION
fee: $333.00
Offered on the credit/no credit basis only. Mechanical Engineering 399R, 699R, or 999R.
• 77695

M E s377K PROJECTS IN MECHANICAL ENGR
fee: $216.00
Hour(s) to be arranged. Independent project carried out under the supervision of a faculty member in mechanical engineering. Student prepares a project proposal and a final report, each of which is evaluated by the faculty committee on individual projects. Only one of the following may be counted: Mechanical Engineering 325L, 362K, 371K, 377K. Prerequisite: A University grade point average of at least 2.50 and a grade point average in the major of at least 2.50; admission to an appropriate major sequence in engineering; and approval of project proposal by the faculty committee on individual projects.
• 77705

M E s380M RESEARCH
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.
• 77710

OPERATIONS RESEARCH AND INDUSTRIAL ENGINEERING

Operations Research and Industrial Engineering - ORI

ORI w380M RESEARCH
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in operations research and industrial engineering.
• 77755

ORI w397M GRADUATE RESEARCH INTERNSHIP
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Students conduct research in an industrial setting to gain practical experience in their area of interest. Prerequisite: Graduate standing and consent of the graduate adviser and supervising faculty member.
• 77770

ORI w397P PROJ IN OPER RSCH & INDUS ENGR
fee: $111.00
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Independent project carried out under the supervision of a faculty member in operations research and industrial engineering. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.
• 77775

ORI w698A THESIS
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in operations research and industrial engineering and consent of the graduate adviser; for 698B, Operations Research and Industrial Engineering 698A.
• 77780

ORI w698B THESIS
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in operations research and industrial engineering and consent of the graduate adviser; for 698B, Operations Research and Industrial Engineering 698A.
• 77785

ORI w398R MASTER'S REPORT
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in operations research and industrial engineering and consent of the graduate adviser.
• 77790

ORI w399R DISSERTATION
fee: $111.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77795

ORI w699R DISSERTATION
fee: $222.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77800

ORI w999R DISSERTATION
fee: $333.00
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 77805

ORI w399W DISSERTATION
fee: $111.00
Offered on the credit/no credit basis only. Prerequisite: Operations Research and Industrial Engineering 399R, 699R, or 999R.
• 77810

ORI w699W DISSERTATION
fee: $222.00
Offered on the credit/no credit basis only. Prerequisite: Operations Research and Industrial Engineering 399R, 699R, or 999R.
• 77815

ORI w999W DISSERTATION
fee: $333.00
Offered on the credit/no credit basis only. Prerequisite: Operations Research and Industrial Engineering 399R, 699R, or 999R.
• 77820

ORI s380M RESEARCH
fee: $111.00
Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing in mechanical engineering.
• 77825

HEALTH PHYSICS LABORATORY
fee: $111.00
The application of radiation and radiation protection instrumentation. Includes personnel monitoring; radiation detection systems; gamma-ray spectroscopy; determination of environmental radiation; counting statistics; and gamma and neutron shielding. Prerequisite: Graduate standing. Class meets May 18-June 2. Taught at the J.J. Pickle Research Campus. meets with M E 361F.
• 77640 MTWTHF 800 - 1200 NEL 1.100
BIEGALSKI, S
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fee</th>
<th>Hours to Be Arranged</th>
<th>Prerequisites</th>
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<td>PGE n381K</td>
<td>ENGINEERING ANALYSIS</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Graduate standing in engineering applications. Prerequisite: Graduate standing.</td>
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<td>PGE w393</td>
<td>RESEARCH SEMINAR</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing.</td>
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<td>PGE 0397M</td>
<td>GRADUATE RESEARCH INTERNSHIP</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing.</td>
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<tr>
<td>PGE w698A</td>
<td>THESIS</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing.</td>
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<td>PGE w698B</td>
<td>THESIS</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing.</td>
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<td>PGE w398R</td>
<td>MASTER'S REPORT</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in petroleum engineering and consent of the graduate adviser.</td>
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<tr>
<td>PGE w399R</td>
<td>DISSERTATION</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td>PGE w699R</td>
<td>DISSERTATION</td>
<td>$222.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<tr>
<td>PGE w999R</td>
<td>DISSERTATION</td>
<td>$333.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td>PGE w399W</td>
<td>DISSERTATION</td>
<td>$111.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Petroleum and Geosystems Engineering 399R, 699R, or 999R.</td>
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<tr>
<td>PGE w699W</td>
<td>DISSERTATION</td>
<td>$222.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Petroleum and Geosystems Engineering 399R, 699R, or 999R.</td>
</tr>
<tr>
<td>PGE w999W</td>
<td>DISSERTATION</td>
<td>$333.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Petroleum and Geosystems Engineering 399R, 699R, or 999R.</td>
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<tr>
<td>PGE s176</td>
<td>SPEC PROB IN PETRO/GEOSYS ENGR</td>
<td>$72.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Independent investigation of an advanced subject in petroleum and geosystems engineering. Prerequisite: Admission to an appropriate major sequence in engineering and written consent of instructor.</td>
</tr>
<tr>
<td>PGE s376</td>
<td>SPEC PROB IN PETRO/GEOSYS ENGR</td>
<td>$216.00</td>
<td>MTWHF 1000 - 1300</td>
<td>Hour(s) to be arranged. Independent investigation of an advanced subject in petroleum and geosystems engineering. Prerequisite: Admission to an appropriate major sequence in engineering and written consent of instructor.</td>
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</table>
### COLLEGE OF FINE ARTS

#### FINE ARTS

**Fine Arts - F A**

F A w140  
**FINE ARTS INTERNSHIP-WB**  
fee: $28.84  
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Requires completion of 50 hours of satisfactory on-site work per credit hour earned. Restricted to fine arts students. Prerequisite: Upper-division standing, a University grade point average of at least 2.50, and consent of instructor. Taught as a Web-based course. Additional on-site work hours not taught online.  
- 78005  
  **PATERA, A**

### DEPARTMENT OF ART AND ART HISTORY

**Art Education - AED**

**Art History - ARH**

**Design - DES**

**Studio Art - ART**

**Visual Art Studies - VAS**

#### AED w386

**INTERNSHIP AND FIELD STUDY**  
fee: $56.52  
Hour(s) to be arranged. May be repeated for credit. Supervised observation and research in art education related to the candidate's area of emphasis. Prerequisite: Graduate standing, written approval of designated faculty member, and consent of the graduate adviser.  
- 78060

#### AED w698A

**THESIS**  
fee: $56.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in art education; Art Education 382G and 382H; eighteen semester hours of coursework in art education, art history, or studio art; and consent of the graduate adviser; for 698B, Art Education 698A.  
- 78065

#### AED w698B

**THESIS**  
fee: $56.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in art education; Art Education 382G and 382H; eighteen semester hours of coursework in art education, art history, or studio art; and consent of the graduate adviser; for 698B, Art Education 698A.  
- 78070

#### AED s385

**INDEPENDENT STUDY IN ART EDUC**  
fee: $56.52  
Hour(s) to be arranged. May be repeated for credit: Student-initiated study with an art education faculty member covering the topic of student's research focus. Prerequisite: Graduate standing in art education, written approval of the designated faculty member, and consent of the graduate adviser.  
- 78075

#### ARH f302

**SURV ANCIENT THRU MEDIEVAL ART**  
fee: $101.97  
A study of the major monuments of architecture, sculpture, painting, and metalwork from the ancient period through the end of the Middle Ages.  
- 78127  
  **MTWTHF 1130 - 100P DFA 2.204 MULDER, S**

#### ARH f303

**SURV OF RENAISS THRU MODERN ART**  
fee: $101.97  
A study of the major monuments of architecture, sculpture, painting, and metalwork from the Renaissance to the present.  
- 78130  
  **MTWTHF 1130 - 100P DFA 2.204**

#### ARH f331J

**ART/SPECATOR MEDIT/REX ART-ITA**  
fee: $86.52  
Hour(s) to be arranged. Art and architecture of central Italy. Restricted to students admitted to the Learning Tuscany program. Prerequisite: Consent of instructor. Topic title: Art and the spectator in Medieval and Renaissance art. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets May 24–July 4. Faculty-led Abroad Program taught in Castiglion Fiorentino, Italy. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates.  
- 78137  
  **MTWTHF 1000 - 1130 DFA 2.204 PEERS, G**

#### ARH f396

**ADVANCED READING TUTORIAL**  
fee: $56.52  
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.  
- 78140

#### ARH w698A

**THESIS**  
fee: $86.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in art history and consent of the graduate adviser; for 698B, Art History 698A.  
- 78145

#### ARH w698B

**THESIS**  
fee: $86.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in art history and consent of the graduate adviser; for 698B, Art History 698A.  
- 78150

#### ARH w399R

**DISSERTATION**  
fee: $56.52  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.  
- 78155

#### ARH w699R

**DISSERTATION**  
fee: $173.04  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.  
- 78165

#### ARH w399W

**DISSERTATION**  
fee: $56.52  
Offered on the credit/no credit basis only. Prerequisite: Art History 399R, 699R, or 999R.  
- 78170

#### ARH w699W

**DISSERTATION**  
fee: $259.56  
Offered on the credit/no credit basis only. Prerequisite: Art History 399R, 699R, or 999R.  
- 78175

#### ARH w999W

**DISSERTATION**  
fee: $259.56  
Offered on the credit/no credit basis only. Prerequisite: Art History 399R, 699R, or 999R.  
- 78190

#### ARH s302

**SURV ANCIENT THRU MEDIEVAL ART**  
fee: $101.97  
A study of the major monuments of architecture, sculpture, painting, and metalwork from the ancient period through the end of the Middle Ages.  
- 78185  
  **MTWTHF 830 - 1000 DFA 2.204 MULDER, S**

#### ARH s303

**SURV OF RENAISS THRU MODERN ART**  
fee: $101.97  
A study of the major monuments of architecture, sculpture, painting, and metalwork from the Renaissance to the present.  
- 78187  
  **MTWTHF 1130 - 100P DFA 2.204**

#### ARH s376

**READING TUTORIAL IN ARH PROBS**  
fee: $86.52  
Hour(s) to be arranged. May be repeated for credit. Individual projects to be completed under faculty supervision. Prerequisite: For majors in the Department of Art and Art History, six semester hours of upper-division art history, a grade point average of at least 3.00, and consent of instructor and the chair of the department; for others, a grade point average of at least 3.00 and consent of instructor and the chair of the department.  
- 78190

#### ARH s396

**ADVANCED READING TUTORIAL**  
fee: $86.52  
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.  
- 78200

#### ARH s396C

**READING TUTORIAL**  
fee: $86.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.  
- 78205

#### ARH s396K

**ADVANCED LECTURE TUTORIAL**  
fee: $101.52  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.  
- 78210

#### DES f383

**GRADUATE PROJECTS**  
fee: $86.52  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.  
- 78265

#### DES w383

**GRADUATE PROJECTS**  
fee: $86.52  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.  
- 78270

#### DES w398R

**MASTER'S REPORT**  
fee: $86.52  
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing in design and consent of instructor or the graduate adviser.  
- 78275
<table>
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<th>Room</th>
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<td>ART s323K</td>
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ART s334K  DIGITAL PHOTOGRAPHY  fee: $86.52
Introduction to digital image-making in the context of creating art, including digital technologies, and a historical overview of traditional and digital photographic practices. May be taken for credit only once. Restricted to design, studio art, and visual art studies majors. Prerequisite: Studio Art 317K with a grade of at least C.
• 78425  MTWTH 200 - 600P  ART 2.204

ART s363K  ADVANCED SCULPTURE  fee: $161.52
Advanced research in the theory, technology, and methods involved in the production of sculpture, with emphasis on individual direction. May be repeated for credit, but (1) may not be taken for credit more than twice in the same semester, and (2) may not be taken for credit more than once with the same instructor in the same semester. Restricted to design, studio art, and visual art studies majors. Prerequisite: Studio Art 323K with a grade of at least C. Meets with ART 413K, ART 323K.
• 78427  MTWTH 200 - 600P  ART 2.410  MANSFIELD, R

ART s368N  ADVANCED DRAWING  fee: $121.52
Continuation of Studio Art 322K. May be repeated for credit, but (1) may not be taken for credit more than twice in the same semester, and (2) may not be taken for credit more than once with the same instructor in the same semester. Restricted to design, studio art, and visual art studies majors. Prerequisite: Studio Art 322K with a grade of at least C. Meets with ART 315K, ART 322K.
• 78430  MTWTHF 800 - 1200  ART 3.210  JOHNSON, B

ART s376  INDEPENDENT STUDY: STUDIO ART  fee: $86.52
Hour(s) to be arranged. May be repeated for credit. Individual projects to be completed under faculty supervision. Restricted to design, studio art, and visual art studies majors. Prerequisite: Completion of at least fifteen semester hours of upper-division coursework in studio art, a grade point average of at least 3.00 in upper-division coursework in the major, and consent of the chair of the department.
• 78435

ART s381  GRAD INDEP STUDY IN STU CONCEN  fee: $136.52
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing in studio art and consent of instructor and the graduate adviser.
• 78440

ART s681  GRAD INDEP STUDY IN STU CONCEN  fee: $268.04
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing in studio art and consent of instructor and the graduate adviser.
• 78445

ART s383  GRAD INDP STD OUTSIDE STU CONC  fee: $136.52
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.
• 78450

SARAH AND ERNEST BUTLER SCHOOL OF MUSIC
Music - MUS
Music Business - MBU
Music Recording Technology - MRT
Bassoon - BSN
Clarinet - CLA
Conducting - CON
Double Bass - D B
Drum Set - DRS
Euphonium - EUP
Flute - FLU
French Horn - F H
Guitar - GUI
Harp - HAR
Harpsichord - HSC
Oboe - OBD
Opera - OPR
Organ - ORG
Percussion - PER
Piano - PIA
Piano - SAX
Piano - TRO
Trombone - TRU
Tuba - TBA
Vibraphone - VIB
Violin - VIA
Violoncello - V C
Voice - VOI
Ensemble - ENS

MUS f307  HISTORY OF ROCK MUSIC  fee: $86.52
Course number may be repeated for credit when the topics vary. Studies of the popular music of a selected culture or geographical area. Open to all University students.
• 78503  MTWTHF 1130 - 100P  MRH 2.634  LAFEVERS, C

MUS w420J  JUNIOR JAZZ RECITAL  fee: $165.36
Hour(s) to be arranged. Preparation and performance of a half-hour public recital in the major jazz instrument. Prerequisite: For jazz composition majors, course 212J in the major jazz instrument for two semesters, or the equivalent, and approval of the jazz faculty; for jazz performance majors, course 412J in the major jazz instrument for two semesters, or the equivalent, and approval of the jazz faculty.
• 78510

MUS f677P  INTERNSHIP AND FINAL PROJECT  fee: $173.04
Hour(s) to be arranged. Practical experience in the music and recording industry related to the student's area of interest within the music business, recording technology, or electronic media. Comprehensive final project addresses entrepreneurship, as well as technical and business elements of the music and recording industry. Restricted to seniors. Prerequisite: Completion of the program requirements for enrollment in an internship course and consent of the program director.
• 78515

MUS f178C  INDEPENDENT STUDY: MUSIC PERF  fee: $28.84
Hour(s) to be arranged. May be repeated for credit. Individual projects to be completed under faculty supervision. Prerequisite: Upper-division standing and consent of instructor and the director of the school. Consent form must be filed in the student office, MRH 3.836.
• 78520

MUS f178M  INDEPENDENT STUDY: MUSIC STDS  fee: $28.84
Hour(s) to be arranged. May be repeated for credit. Individual projects to be completed under faculty supervision. Prerequisite: Upper-division standing and consent of instructor and the director of the school. Consent form must be filed in the student office, MRH 3.836.
• 78525

MUS f180K  PROB PERF PRAC-SUMMER BAND  fee: $33.84
With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing in music, consent of the graduate adviser, and consent of instructor. Meets with ENS 107K.
• 78550  MTW 7:00 - 900P  MRH 2.114  CARNACHAN, R

MUS w698A  THESIS  fee: $86.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in music and consent of the graduate adviser; for 698B, Music 698A. Consent form must be filed in the student office, MRH 3.836.
• 78535

MUS w698B  THESIS  fee: $86.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in music and consent of the graduate adviser; for 698B, Music 698A. Consent form must be filed in the student office, MRH 3.836.
• 78540

MUS w398D  ARTIST RECITAL  fee: $86.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Preparation for and performance of a recital. Prerequisite: Graduate standing. Performance 430 with a grade of at least B, and consent of the graduate adviser.
• 78545

MUS w398M  MASTER'S REPORT  fee: $86.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in music and consent of the graduate adviser. Consent form must be filed in the student office, MRH 3.836.
• 78550

MUS w698RA  MASTER'S RECITAL  fee: $96.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698RA, graduate standing in performance or music literature and pedagogy, and course 380 or 480 in the appropriate instrument, for 698RB, Music 698RA.
• 78555

MUS w698RB  MASTER'S RECITAL  fee: $96.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698RA, graduate standing in performance or music literature and pedagogy, and course 380 or 480 in the appropriate instrument, for 698RB, Music 698RA.
• 78560

MUS w399  TREATISE  fee: $56.52
Hour(s) to be arranged. Offered on the credit/no credit basis only. A research paper of a scholarly nature. Restricted to students pursuing the nonthesis option for the Doc-
<table>
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<td>MUS w699W</td>
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<td>Monday</td>
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<td>MUS w999W</td>
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<td>MUS s302L</td>
<td>INTRODUCTION TO WESTERN MUSIC</td>
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<td>MUS s385J</td>
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<td>MUS s394</td>
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<td>MUS w377P</td>
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**INTERNSHIP AND FINAL PROJECT**
Hour(s) to be arranged. Practical experience in the music industry related to the student's area of interest within the music business. Comprehensive final project addresses entrepreneurship, as well as business elements of the music industry. Only one of the following may be counted: Music 677P, Music Business 377P, Music Recording Technology 377P. Restricted to seniors in the music business concentration. Prerequisite: Completion of the program requirements for enrollment in an internship course and consent of the program director.  
- 78690

**LOWER-DIV BASSOON: PRINCIPAL**
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.  
- 78300

**GRADUATE BASSOON**
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flute (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 380, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480). Prerequisite: For Opera 280, 480, graduate standing in music and consent of the graduate adviser; for other fields, graduate standing in music course 462 in the same instrument, and consent of the graduate adviser.  
- 78910

**ADVANCED GRADUATE BASSOON**
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.  
- 78915
eral, and voice. Prerequisite: Course 210 in the principal instrument for four semesters, or the equivalent, and approval of the music faculty.

79065

F H 280

GRADUATE FRENCH HORN

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flûte (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480). Prerequisite: For Opera 280, 480, graduate standing in music and consent of the graduate adviser; for other fields, graduate standing in music, course 426 in the same instrument, and consent of the graduate adviser.

79070

F H 290

ADVANCED GRADUATE FRENCH HORN

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.

79075

CON 280

3-GRADUATE Conducting: CHORUS

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing; and Music 262 (for instrumental conductors) or 263K (for choral conductors), or conducting experience and consent of the graduate adviser.

78940

EUP 210

LOWER-DIV EUPHONIUM: PRINCIPAL

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.

78995

EUP 260

UPPER-DIV EUPHONIUM: PRINCIPAL

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, harpsichord, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Course 210 in the principal instrument for four semesters, or the equivalent, and approval of the music faculty.

79000

EUP 280

GRADUATE EUPHONIUM

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flûte (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480). Prerequisite: For Opera 280, 480, graduate standing in music and consent of the graduate adviser; for other fields, graduate standing in music, course 426 in the same instrument, and consent of the graduate adviser.

79005

F H 210

LOWER-DIV FRENCH HORN; PRIN

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.

79060

F H 260

UPPER-DIV FRENCH HORN; PRIN

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, harpsichord, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.

79145

PIA 210

LOWER-DIV PIANO: PRINCIPAL

fee: $82.68

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.

79200

PIA w412

UPPER-DIV PIANO: MAJOR

fee: $165.36

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in music performance for students majoring in music performance or music performance pedagogy. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.

79200
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIA I260</td>
<td>Upper-Div Piano: Principal</td>
<td>$82.68</td>
<td>Restricted enrollment; contact the department for permission to register for this course. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, harpsichord, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello. Prerequisite: Admission to a doctoral degree program in music or consent of the graduate adviser.</td>
</tr>
<tr>
<td>PIA w462</td>
<td>Upper-Div Piano: Major</td>
<td>$165.36</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in music performance for students majoring in music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, harpsichord, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Course 210 in the principal instrument for four semesters, or the equivalent, and approval of the music faculty.</td>
</tr>
<tr>
<td>PIA I280</td>
<td>Graduate Piano</td>
<td>$82.68</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flute (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 380, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480). Prerequisite: For Opera 280, 480, graduate standing in music and consent of the graduate adviser; for other fields, graduate standing in music, course 462 in the same instrument, and consent of the graduate adviser.</td>
</tr>
<tr>
<td>PIA w380</td>
<td>Graduate Piano</td>
<td>$136.52</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flute (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 380, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480). Prerequisite: For Opera 280, 480, graduate standing in music and consent of the graduate adviser; for other fields, graduate standing in music, course 462 in the same instrument, and consent of the graduate adviser.</td>
</tr>
<tr>
<td>PIA w480</td>
<td>Graduate Piano</td>
<td>$165.36</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera (280, 480) and in the following instruments: bassoon (280, 480), clarinet (280, 480), double bass (280, 380, 480), euphonium (280, 480), flute (280, 480), French horn (280, 480), guitar (280, 380, 480), harp (280, 380, 480), oboe (280, 380, 480), organ (280, 480), percussion (280, 480), piano (280, 380, 480), saxophone (280, 480), trombone (280, 480), trumpet (280, 480), tuba (280, 480), viola (280, 380, 480), violin (280, 380, 480), violoncello (280, 380, 480), and voice (280, 380, 480).</td>
</tr>
<tr>
<td>PIA I290</td>
<td>Advanced Graduate Piano</td>
<td>$82.68</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.</td>
</tr>
<tr>
<td>PIA w490</td>
<td>Advanced Graduate Piano</td>
<td>$165.36</td>
<td>Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.</td>
</tr>
</tbody>
</table>
SAX 2190 ADVANCED GRADUATE SAXOPHONE fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79330

TRO 210 LOWER-DIV TRUMPET: PRINCIPAL fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.
• 79335

TRO 260 ADVANCED GRADUATE TROMBONE fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79400

TRU 210 LOWER-DIV TRUMPET: PRINCIPAL fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79455

TRU 260 ADVANCED GRADUATE TROMBONE fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79540

TBA 210 LOWER-DIV TUBA: PRINCIPAL fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: For Organ 210, Piano 201 or the equivalent.
• 79555

TBA 260 ADVANCED GRADUATE TUBA fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79600

VIO 210 LOWER-DIV VIOLIN: PRINCIPAL fee: $52.68
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction in the principal instrument for students pursuing the Bachelor of Arts in Music or the Bachelor of Music with a major in music studies, music theory, composition, music literature, or music performance. This course is offered in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.
• 79655
**DEPARTMENT OF THEATRE AND DANCE**

Theatre and Dance - T D

- **T D i323p** ADV PROJ IN ACTING & DIRECTING<br> 3 Hour(s) to be arranged. May be repeated for credit. Prerequisite: Upper-division standing and consent of the acting/directing faculty.<br> 79775

- **T D w354p** PROJECTS IN DESIGN AND TECHNOL<br> 3 Hour(s) to be arranged. May be repeated for credit. Individual projects in theatre design and technology. Prerequisite: Consent of instructor.<br> 79780

- **T D i380p** ADV PROJECTS IN PERFORMANCE<br> 3 Hour(s) to be arranged. Projects inappropriate to organized courses but pertinent to students' training and development in acting, directing, dance, and playwriting. May be repeated for credit when the projects vary. Prerequisite: Graduate standing and consent of instructor.<br> 79785

- **T D w388m** ADV PROJS IN DESIGN & TECHNOL<br> 3 Hour(s) to be arranged. Advanced independent study projects in scenic design, costume design, lighting design, and theatre technology. May be repeated for credit when the projects vary. Prerequisite: Graduate standing and consent of instructor.<br> 79790

- **T D w395** RDNGS HIST/THRY/CRT/PERF STD'S<br> 3 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. In-depth exploration of literature in specialized areas of interest, primarily as preparation for doctoral examinations and dissertation proposals. Prerequisite: Graduate standing and consent of instructor.<br> 79795

- **T D w395p** ADV PROJS IN PERFORMANCE STD'S<br> 3 Hour(s) to be arranged. Advanced independent study projects in performance studies, theatre history, theory, criticism, performance as public practice, drama and theatre for youth, theatre outreach, and dramaturgy. May be repeated for credit when the projects vary. Prerequisite: Graduate standing and consent of instructor.<br> 79800

- **T D w698A** THESIS<br> 3 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For Theatre and Dance 698A, graduate standing and consent of the graduate adviser; for 698B, Theatre and Dance 698A (or Drama 698A).<br> 79805

- **T D w698B** THESIS<br> 3 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For Theatre and Dance 698A, graduate standing and consent of the graduate adviser; for 698B, Theatre and Dance 698A (or Drama 698A).<br> 79810

- **T D w399R** DISSERTATION<br> 3 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.<br> 79815

**DEPARTMENT OF MUSIC**

- **Vio i290** ADVANCED GRADUATE VIOLIN<br> 3 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.<br> 79816

- **Voi i290** ADVANCED GRADUATE VOICE<br> 3 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Offered in opera and in the following instruments: bassoon, clarinet, double bass, euphonium, flute, French horn, guitar, harp, oboe, organ, percussion, piano, saxophone, trombone, trumpet, tuba, viola, violin, violoncello, and voice. Prerequisite: Admission to a doctoral degree program in music and consent of the graduate adviser.<br> 79816
### JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEO SCIENCES

**ENERGY AND EARTH RESOURCES GRADUATE PROGRAM**

**Energy and Earth Resources - EER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>EER w396</td>
<td>RSCH IN ENERGY/EARTH RESOURCES</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Graduate seminar covering a wide-range of issues in energy and earth resources. Prerequisite: Graduate standing.</td>
<td>79695</td>
<td></td>
</tr>
<tr>
<td>EER w698A</td>
<td>THESIS</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in energy and earth resources. at least nine semester hours of coursework in the energy and earth resources program and consent of the graduate adviser; for 698B, Energy and Earth Resources 698A.</td>
<td>79900</td>
<td></td>
</tr>
<tr>
<td>EER w698B</td>
<td>THESIS</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in energy and earth resources. at least nine semester hours of coursework in the energy and earth resources program and consent of the graduate adviser; for 698B, Energy and Earth Resources 698A.</td>
<td>79905</td>
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</tr>
</tbody>
</table>

### DEPARTMENT OF GEOLOGICAL SCIENCES

**Environmental Science - EVS**

**Geological Sciences - GEO**

<table>
<thead>
<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS w371</td>
<td>RESEARCH EXPERIENCE</td>
<td></td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in environmental science by individual arrangement with the instructor. Restricted to environmental science majors. Prerequisite: Consent of instructor.</td>
<td>79960</td>
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<tr>
<td>GEO f401</td>
<td>PHYSICAL GEOLOGY</td>
<td>fee: $185.92</td>
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<tr>
<td>GEO f416M</td>
<td>SEDIMENTARY ROCKS</td>
<td>fee: $199.92</td>
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<tr>
<td>GEO n316P</td>
<td>SEDIMENTARY ROCKS</td>
<td>fee: $126.69</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEO f320L</td>
<td>INTRODUCTORY FIELD GEOLOGY</td>
<td>fee: $370.69</td>
<td>Hour(s) to be arranged. Offered on the pass/fail basis only. Designed for non-geological sciences majors. Study of geological features and processes in the field; emphasizes regional geology of central Texas and techniques of geologic mapping. Geologic Sciences 420K and 320L may not both be counted. May not be counted toward a degree in environmental science, geological sciences, or geosystems engineering and hydrogeology. Prerequisite: One of the following: Geological Sciences 401, 303, 420H or consent of instructor. Class meets May 4-5, 14-16, and 18-27. Taught in Austin and Central Texas.</td>
<td>80030</td>
<td>CLOOS, M</td>
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</table>

### HYDROGEOLOGY COOP (GEOC SCI)

<table>
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<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO f329W</td>
<td>HYDROGEOLOGY COOP (GEOC SCI)</td>
<td>fee: $126.69</td>
<td>Hour(s) to be arranged. Covers the work period of geological sciences students in the Cooperative Education program, which provides supervised work experience by arrangement with the employer and the supervising instructor. The student must submit a final report to the supervising instructor at the conclusion of the program. The student must repeat the course each work period and must take it twice to receive credit toward the degree; at least one of these registrations must be during a long-session semester. No more than three semester hours may be counted toward the major requirement; no more than six semester hours may be counted toward the degree. The student's first registration must be on the pass/fail basis. Restricted to environmental science and geological sciences majors. Prerequisite: Application to become a member of the Hydrogeology Cooperative (Geological Sciences) Program, and consent of the Associate Dean for Academic Affairs or the geological sciences undergraduate faculty adviser.</td>
<td>80035</td>
<td></td>
</tr>
<tr>
<td>GEO f348K</td>
<td>MARINE GEO/GEOPHYSICS FIELD CRS</td>
<td>fee: $151.69</td>
<td>Hour(s) to be arranged. Hands-on, lab-based instruction in the collection and processing of marine geological and geophysical data along the Gulf of Mexico coast. Geological Sciences 348K and 397F may not both be counted. Fulfills the field experience requirement for some geological science degrees. Prerequisites: Permission of the environmental science and geological sciences majors. Prerequisite: Application to become a member of the Hydrogeology Cooperative (Geological Sciences) Program, and consent of instructor; Geological Sciences 418M and 465K are recommended; for others, upper-division standing. Marine Science 307 and 354F with a grade of at least C- in each, and consent of instructor. Class meets May 13-June 1. Taught at J. J. Pickle Research Campus and in Galveston, TX, same as MNS 348 (TOPIC 2).</td>
<td>80040</td>
<td></td>
</tr>
<tr>
<td>GEO f660A</td>
<td>FIELD GEO-TXNM/CO/MT/ID/UT</td>
<td>fee: $1126.69</td>
<td>Hour(s) to be arranged. Methods of geologic mapping with topographic maps and aerial photographs. Field studies include measuring sections, interpretation of stratigraphy, structure, environments of deposition of various sedimentary rocks, and the origin and petrology of igneous and metamorphic rocks. Students must register for this course during the first summer registration period. Restricted to geological sciences majors. Prerequisite: Geological Sciences 420K and 428 with a grade of at least C- in each. Class meets May 24-June 13. Taught in Texas, New Mexico, Colorado, Wyoming, Utah, Idaho, and Montana.</td>
<td>80045</td>
<td></td>
</tr>
<tr>
<td>GEO f660B</td>
<td>FIELD GEO-TXNM/CO/MT/ID/UT</td>
<td>fee: $1126.69</td>
<td>Hour(s) to be arranged. Methods of geologic mapping with topographic maps and aerial photographs. Field studies include measuring sections, interpretation of stratigraphy, structure, environments of deposition of various sedimentary rocks, and the origin and petrology of igneous and metamorphic rocks. Students must register for this course during the first summer registration period. Restricted to geological sciences majors. Prerequisite: Geological Sciences 420K and 428 with a grade of at least C- in each. Class meets June 14-July 4. Taught in Texas, New Mexico, Colorado, Wyoming, Utah, Idaho, and Montana.</td>
<td>80050</td>
<td></td>
</tr>
<tr>
<td>GEO f661A</td>
<td>GEOPHYSICS FIELD CAMP</td>
<td>fee: $126.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Field studies for geophysics majors, including seismic, magnetic, electrical, gravity, and other techniques, related data processing and interpretation. Students may take Geological Sciences 661 for University credit while enrolled in the Los Alamos National Laboratory SAGE program. May be used in place of Geological Sciences 660 to fulfill the requirements for the Bachelor of Science in Geological Sciences (Option II: Geophysics). Restricted to geophysics majors. Prerequisite: Geological Sciences 420K, 465K, and 365P with a grade of at least C- in each.</td>
<td>80055</td>
<td></td>
</tr>
<tr>
<td>GEO f661B</td>
<td>GEOPHYSICS FIELD CAMP</td>
<td>fee: $126.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Field studies for geophysics majors, including seismic, magnetic, electrical, gravity, and other techniques, related data processing and interpretation. Students may take Geological Sciences 661 for University credit while enrolled in the Los Alamos National Laboratory SAGE program. May be used in place of Geological Sciences 660 to fulfill the requirements for the Bachelor of Science in Geological Sciences (Option II: Geophysics). Restricted to geophysics majors. Prerequisite: Geological Sciences 420K, 465K, and 365P with a grade of at least C- in each.</td>
<td>80060</td>
<td></td>
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<tr>
<td>GEO f171C</td>
<td>CONFERENCE COURSE</td>
<td>fee: $42.23</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of instructor.</td>
<td>80065</td>
<td></td>
</tr>
<tr>
<td>GEO f271C</td>
<td>CONFERENCE COURSE</td>
<td>fee: $84.46</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of instructor.</td>
<td>80070</td>
<td></td>
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</tbody>
</table>
GEO 571C CONFERENCE COURSE fee: $135.69 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of Instructor. • 80075

GEO 576L FIELD METHS IN GROUNDWR HYDRL fee: $415.69 Hour(s) to be arranged. Introduction to field methods, including geophysics, pump tests, stream gauging, well logging, water sampling, and mapping. Students must register for this course during the first summer registration period. Registration priority given to hydrogeology majors. Prerequisite: Geological Sciences 476K with a grade of at least C-. Class meets May 20-30 June. Taught in Texas and southwestern U.S. • 80080 BENNETT, P

GEO 679GA SPECIAL STUDIES IN GEOPHYSICS fee: $126.99 Hour(s) to be arranged. Special research projects, field studies, or geophysical/industrial internship. Assigned reading with written and oral report. May be used instead of Geological Sciences 660 in fulfilling the requirements for the Bachelor of Science in Geological Sciences (Option II: Geophysics). Restricted to geophysics majors. Prerequisite: Consent of Instructor. • 80085

GEO 679H HONORS TUTORIAL fee: $126.99 Hour(s) to be arranged. Supervised research project resulting in an honors thesis with an oral defense. May be counted as three of the six geological sciences senior elective hours. Restricted to students in the Geological Sciences Honors Program. Prerequisite: Geological Sciences 171H, 172H, and 173H with a grade of at least B- in each. • 80090

GEO 679J INTERNSHIP IN HYDROGEOLOGY fee: $301.38 Hour(s) to be arranged. Special hydrogeological studies under the joint supervision of industry professionals and faculty members. Students present a written report. May be used in place of Geological Sciences 660 in fulfilling the requirements for the Bachelor of Science in Geological Sciences (Option III: Hydrogeology). Restricted to hydrogeology majors. Prerequisite: Geological Sciences 476K with a grade of at least C- and consent of instructor. • 80095

GEO 679K SPEC STUDIES IN ADV GEOLOGY fee: $135.69 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Special emphasis on recent developments in geosciences. Prerequisite: Consent of Instructor. • 80100

GEO 682C GROUNDWATER FIELD METHODS fee: $337.99 Hour(s) to be arranged. Basic field methods used in evaluation of groundwater conditions, with emphasis on field interpretation and on hands-on experience with geophysical, geochemical, stream gauging, and pump test methods. Prerequisite: Graduate standing, and Geological Sciences 391C or consent of Instructor. Class meets May 20-30 June. Taught in Texas and southwestern U.S. • 80105 BENNETT, P

GEO 694 RSCH IN GEOLOGICAL SCIENCES fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Restricted to graduate students in geological sciences. Prerequisite: Graduate standing in geological sciences. • 80110

GEO w394 RSCH IN GEOLOGICAL SCIENCES fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Restricted to graduate students in geological sciences. Prerequisite: Graduate standing in geological sciences. • 80115

RSCH IN PHYSICAL HYDROLGY fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Restricted to graduate students in geological sciences. Prerequisite: Graduate standing in geological sciences. • 80120

GEO 697F MARINE GEO & GEOPHYS FIELD CRS fee: $33.99 Hour(s) to be arranged. Hands-on, team-based instruction in the collection and processing of marine geological and geophysical data along the Gulf of Mexico coast. Only one of the following may be counted: Geological Sciences 348K, 397F, Marine Science 348 (Topic 2: Marine Geology and Geophysics Field Course). Prerequisite: Graduate standing; Class meets May 13-30 June. Taught at J. J. Pickle Research Campus and in Galveston, TX. Additional fee for cruise to be announced. • 80125 GULICK, S

GEO w698A THESIS fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in geological sciences and consent of the graduate adviser; for 698B, Geological Sciences 698A. • 80130

GEO w698B THESIS fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in geological sciences and consent of the graduate adviser; for 698B, Geological Sciences 698A. • 80135

GEO w398R MASTER'S REPORT fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Standing, and Geological Sciences 699R, or 999R. • 80140

GEO w399R DISSERTATION fee: $33.99 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 80150

GEO w699R DISSERTATION fee: $67.98 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 80160

GEO w699W DISSERTATION fee: $67.98 Offered on the credit/no credit basis only. Prerequisite: Geological Sciences 399R, 699R, or 999R. • 80165

GEO w699W DISSERTATION fee: $101.97 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 80170

GEO s401 PHYSICAL GEOLOGY fee: $185.92 Nature, properties, and distribution of crustal materials; surficial processes; internal processes; origin of continents, oceans, and ocean basins; mineral and fuel resources; Only one of the following may be counted: Geological Sciences 401, 303, 420H. Registration priority given to environmental science and geological sciences majors. • 80173 MTWTHF 1000 - 1130 JGB 2.202 KYLE, J TTH 230 - 500P EPS 2.136 • 80174 MTWTHF 1000 - 1130 JGB 2.202 KYLE, J MW 230 - 500P EPS 2.136

GEO s329W HYDROGEOLOGY COOP (GEOL SCI) fee: $126.69 Hour(s) to be arranged. Covers the work period of geological sciences students in the Cooperative Education program, which provides supervised work experience by arrangement with the employer and the supervising instructor. The student must submit a final report to the supervising instructor at the conclusion of the program. The student must repeat the course each work period and must take it twice to receive credit toward the degree; at least one of these registrations must be during a long-session semester. No more than three semester hours may be counted toward the major requirement; no more than six semester hours may be counted toward the degree. The student's first registration must be on the pass/fail basis. Restricted to environmental science and geological sciences majors. Prerequisite: Application to become a member of the Hydrogeology Cooperative (Geological Sciences) Program, and consent of the Associate Dean for Academic Affairs or the geological sciences undergraduate faculty adviser. • 80175

GEO s171C CONFERENCE COURSE fee: $42.23 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of Instructor. • 80180

GEO s271C CONFERENCE COURSE fee: $84.46 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of Instructor. • 80185

GEO s371C CONFERENCE COURSE fee: $135.69 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in geological sciences, by individual arrangement with the department and instructor. May not be substituted for any required
geological sciences course. Restricted to majors in the Jackson School of Geosciences. Prerequisite: Consent of instructor.

GEO 679GB SPECIAL STUDIES IN GEOPHYSICS fee: $126.69 Hour(s) to be arranged. Special research projects, field studies, or geophysical/industrial internship. Assigned reading with written and oral report. May be used instead of Geological Sciences 660 in fulfilling the requirements for the Bachelor of Science in Geological Sciences (Option II: Geophysics). Restricted to geophysics majors. Prerequisite: Consent of instructor.

• 60190

GEO 679H HONORS TUTORIAL fee: $126.69 Hour(s) to be arranged. Supervised research project resulting in an honors thesis with an oral defense. May be counted as three of the six geological sciences senior elective hours. Restricted to students in the Geological Sciences Honors Program. Prerequisite: Geological Sciences 171H, 172H, and 173H with a grade of at least B- in each.

• 80200

GEO 679J INTERNSHIP IN HYDROGEOLOGY fee: $301.38 Hour(s) to be arranged. Special hydrogeological studies under the joint supervision of industry professionals and faculty members. Students present a written report. May be used in place of Geological Sciences 660 in fulfilling the requirements for the Bachelor of Science in Geological Sciences (Option III: Hydrogeology). Restricted to hydrogeology majors. Prerequisite: Geological Sciences 470K with a grade of at least C-, and consent of instructor.

• 80205

GEO 679K SPEC STUDIES IN ADV GEOLOGY fee: $135.69 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Special emphasis on recent developments in geosciences. Prerequisite: Consent of instructor.

• 80210

GEO 694 RSCH IN GEOLOGICAL SCIENCES fee: $33.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Restricted to graduate students in geological sciences. Prerequisite: Graduate standing in geological sciences.

• 80215

**SCHOOL OF INFORMATION**

Information Studies - INF

INF n304W INTRO TO INFORMATN STUDIES-WB fee: $210.00 Hour(s) to be arranged. Overview of the information field as it relates to the technologyped world culture. Topics may include the idea of information, information in relation to technology and culture, information technology in education, information literacy and the "digital divide," information and communication technology, information and gender, public information policy, and information organization and preservation. Information Studies 304D and 304W may not both be counted. Prerequisite: Lower-division standing. Taught as a Web-based course.

• 80267

INF n335W INFORMATION IN CYBERSPACE-WB fee: $60.00 Hour(s) to be arranged. An overview of the history and social impact of Internet, Web, and other network technologies. Students will learn methods and tools of media creation with an emphasis on technological self-sufficiency. Only one of the following may be counted: Information Studies 312, 335C, 335W. Prerequisite: Upper-division standing. Taught as a Web-based course.

• 80270

INF f380C INFO IN SOCIAL AND CUL CONTEXT fee: $60.00 Examines the role of information in human activities, particularly in relation to particular social and cultural contexts. Examines how individuals, groups, organizations, institutions, and society at large create, find, use, understand, share, transform, and curate information. Prerequisite: Graduate standing.

• 80275

INF w181 INDIVIDUAL STUDIES fee: $20.00 Hour(s) to be arranged. In-depth study of a problem or topic related to information studies, usually culminating in an examination or a scholarly written report. With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

• 80280

INF w281 INDIVIDUAL STUDIES fee: $40.00 Hour(s) to be arranged. In-depth study of a problem or topic related to information studies, usually culminating in an examination or a scholarly written report. With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

• 80295

INF w381 INDIVIDUAL STUDIES fee: $60.00 Hour(s) to be arranged. In-depth study of a problem or topic related to information studies, usually culminating in an examination or a scholarly written report. With consent of the graduate adviser, may be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

• 80300

INF n181E ELECTRONIC PORTFOLIO fee: $20.00 Hour(s) to be arranged. Offered on the credit/no credit basis only. Creation of a Web site that displays the student's professional aims, interests, and pursuits, including resume and work samples. Designed to be taken during the final semester of the Master of Science in Information Studies degree program. Prerequisite: Graduate standing and concurrent enrollment in one of the following: Information Studies 388L, 388R, 698B, 389R.

• 80305

INF w381W ADV PROBS IN INFO STUDIES-WB fee: $210.00 Hour(s) to be arranged. Study of a problem or topic related to information studies. With consent of the graduate adviser, may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor. Taught as a Web-based course.

• 80307

INF n385M DATABASE MANAGEMENT fee: $60.00 Principles and practices of database management and database design. Discussion and implementation of a database. Application life cycle, data dictionaries, relational database design, SQL queries, reports and other interfaces to database data, and documentation. Students work on individual and group projects. Prerequisite: Graduate standing.

• 80305 T TH 400-600 UTA 1.210A GUNN, S

INF n388L PROFESSIONAL EXPERIENCE & PROJECT fee: $60.00 Offered on the credit/no credit basis only. Study of a practical problem, current phenomenon, or professional issue in an institutional setting. Students prepare a final project intended for public presentation. Prerequisite: Graduate standing, concurrent enrollment in Information Studies 181E, and completion of at least thirty-two semester hours of coursework in the graduate program in information studies. meets with INF 388R.

• 80310 TH 100-400 UTA 1.238 WESTBROOK, J

INF n388R PRACTICUM IN SCHOOL LIBRARIES fee: $60.00 Additional hour(s) to be arranged. Offered on the credit/no credit basis only. Fieldwork in a school library under the supervision of qualified personnel. Only one of the following may be counted: Information Studies 388Q, 388R, 388S. Prerequisite: Graduate standing; credit or registration for Information Studies 382D, 382E or 382F, 384E, and 386C; concurrent enrollment in Information Studies 181E; and consent of the school library practicum coordinator. Participants will not receive monetary compensation. meets with INF 388L.

• 80315 TH 100-400 UTA 1.238 WESTBROOK, J
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. Advanced clinical course, to be completed under standards promulgated by the dean. The completed work must be approved by the supervising faculty member. For advanced clinical students who have previously completed a clinic. Prerequisite: Law 197C, 297C, 397C, or 597C, and the approval of a faculty member regularly engaged in clinical legal education and of the assistant dean for student affairs.</td>
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**COLLEGE OF LIBERAL ARTS**

**LIBERAL ARTS**

**Liberal Arts - L A**

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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Students work in a professional environment and apply analysis, communication, and other academic skills to practical work. Restricted to students in the College of Liberal Arts. Prerequisite: Completion of at least thirty semester hours of coursework, a University grade point average of at least 2.25, and consent of instructor. Taught as a Web-based course.</td>
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Students work in a professional environment and apply analysis, communication, and other academic skills to practical work. Restricted to students in the College of Liberal Arts. Prerequisite: Completion of at least thirty semester hours of coursework, a University grade point average of at least 2.25, and consent of instructor. Taught as a Web-based course.</td>
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**LIBERAL ARTS HONORS**

**Liberal Arts Honors - LAH**

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<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Supervised research, reading, and writing of a substantial paper on an interdepartmental subject. Restricted to Plan I majors in the College of Liberal Arts. Prerequisite: For Liberal Arts Honors 679TA, upper-division standing, a grade point average of at least 3.50, and written consent of the director of the Liberal Arts Honors Program; for 679TB, Liberal Arts Honors 679TA.</td>
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DEPARTMENT OF AFRICAN AND AFRICAN DIASPORA STUDIES

African and African American Studies - AFR
Yoruba - YOR

AFR n321
AFRICAN DIASP IN AMERICAN-BRA
fee: $74.16
Hour(s) to be arranged. Black cultures and societies in the New World, and their Afri- can heritage. Prerequisite: Upper-division standing. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets June 8-July 17. Faculty-led Abroad Program taught in Rio De Janeiro, Brazil. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in ad- dition to these dates. same as ANT 324L (TOPIC 8), also meets with LAS 324L.

AFR 321L
SOCIIOEDUCATION
fee: $74.16
Education as a societal institution, with emphasis on the United States educational system: how the system works; the effects of the system; recent changes. Prerequi- site: Upper-division standing, same as SOC 321L, WGS 345 (TOPIC 23).

AFR 372E
WORLDS OF HIP HOP
fee: $74.16
Course number may be repeated for credit when the topics vary. Studies in music, art, literature, and sports that explore the artistic, aesthetic, bodily, and other cultural ex- pressions and traditions of black people. Only one of the following may be counted un- less the topics vary: African and African Diaspora Studies 372E, 374, 374C, 374D, 374E, 374F. Some topics partially fulfill legislative requirement for American history. Prerequisite: Upper-division standing; additional prerequisites vary with the topic. meets with HIS 365N.

AFR 374C
6-APAR THEID: SOUTH AFR HIST
fee: $74.16
Course number may be repeated for credit when the topics vary. A study of the social, political, economic, and cultural history of South Africa to contextualize the rise of apartheid. Primarily focuses on the period since 1948 from the perspectives of wom- en, children, and men of all racial backgrounds who lived through that particular period. Only one of the following may be counted unless the topics vary: African and Afri- can Diaspora Studies 372C, 372D, 372E, 372F, 372G, 372H, 374C. Some topics partially ful- fill legislative requirement for American history. Only one of the following may be count- ed: African and African Diaspora Studies 374C (Topic: Apartheid and Resistance in South Africa), 374D (Topic: Apartheid: South African History), 374E (Topic 6), His- tory 364G (Topic: Apartheid: South African History), 364G (Topic: Apartheid and Re- sistance in South Africa), 364G (Topic 8), Women's and Gender Studies 340 (Topic: Apartheid: South African History). 340 (Topic 42). Prerequisite: Varies with the topic. same as HIS 364G (TOPIC 6), WGS 340 (TOPIC 42).

AFR 374D
4-AFRICAN AMERS AND THE MEDIA
fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the fol- lowing may be counted unless the topics vary: African and African Diaspora Studies 372C, 372D, 372E, 372F, 372G, 372H, 374C. Some topics partially fulfill legislative requirement for American history. Only one of the following may be count- ed: African and African Diaspora Studies 374D (Topic 4), Journalism 340C (Topic 2). Prerequi- site: Varies with the topic. Additional prerequisite: Upper-division standing, meets with J 314F.

AFR s396
CONF COURSE IN BLACK STUDIES
fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Individual instruction in specialized problems of advanced research in black studies. Prerequisite: Graduate standing and consent of instructor and the department.

AFR s326
AFRO-CARIBBEAN POLIT/UL-NIC
fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Exploration of black identity, political systems, and community

DEPARTMENT OF AMERICAN STUDIES

American Studies - AMS

AMS 615C
MOVIES GO TO WAR
fee: $74.16
A comparison of films from various nations about major twentieth century wars to the historical facts of the conflicts as practicums in critical comparative analyses of histo- ries as representations. Only one of the following may be counted: American Studies 315 (Topic: Movies Go to War, World War I to Vietnam), 315C, Comparative Literature 305 (Topic: Movies Go to War, World War I to Vietnam), 305 (Topic 3), European Studies 307 (Topic: Movies Go to War, World War I to Vietnam), 307 (Topic 4), Ger- man, Scandinavian, and Dutch Studies 311C, Germanic Civilization 311 (Topic 2), Movies Go to War, World War I to Vietnam), same as C L 305 (TOPIC 3), EUS 307 (TOPIC 4), GSD 311C.

AMS 521
RELIGION AND FILM
fee: $74.16
Course number may be repeated for credit when the topics vary. A study of America through its geography, language, government, or cultures. Some topics partially fulfill legislative requirement for American history. Prerequisite: Upper-division standing; additional prerequisites vary with the topic. meets with R 348E.

AMS 536
MAIN CURR AMER CUL SINCE 1865
fee: $185
Traces the development of American culture and society from the end of the Civil War to the present. Major themes include racial conflict, pluralism, religion, urban develop- ment and reform, modernism, government centralization, cultural radicalism, and the rebirth of conservatism. Partially fulfills legislative requirement for American histo- ry. Prerequisite: Upper-division standing, same as HIS 365.

AMS 570
49-20TH-CEN US LESBIAN/GAY HIS
fee: $74.16
Course number may be repeated for credit when the topics vary. Interdisciplinary sem- inar on themes in American life. Some topics partially fulfill legislative requirement for American history. Only one of the following may be counted: American Studies 370
Anthropology - ANT

Science, Technology, and Society - STS

ANT 301
PHYSICAL ANTHROPOLOGY
Human evolution, race, heredity, the organic basis of culture; culture history through the Paleolithic stage.
fee: $80.16

ANT 302
CULTURAL ANTHROPOLOGY
The concept of culture; social and political organization; language; the supernatural; elementary cultural theory.
fee: $77.16

ANT 304
INTRO ARY STDS I: PREHIST ARY
Anthropological study of prehistory; human beginnings to the appearance of written records. Anthropology 304 and Archaeology 301 may not both be counted.
fee: $80.16

ANT 307
CULTURE AND COMMUNICATION
An introduction to the study of culture through communication and the theory of signs. Only one of the following may be counted: Anthropology 307, Linguistics 312 (Topic: Culture and Communication), 312C; same as LIN 312C.
fee: $79.16

ANT 324L
INDIGENOUS EXPRIENCE THROUGH FILM
Course number may be repeated for credit when the topics vary. Some topics partially fulfill legislative requirement for American history. Prerequisite: Varies with the topic.
fee: $74.16

ANT n324L
9-AFR DIASPORA IN AMERICAS-BRA
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Black cultures and societies in the New World, and their African heritage. Some topics partially fulfill legislative requirement for American history. Prerequisite: Varies with the topic. Prerequisite: Upper-division standing. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets May 21-July 16. Faculty-led Abroad Program taught at the Archaeological Field School in the Orange Walk District, Belize. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. same as AFR 374E (TOPIC 2), LAS 324L (TOPIC 14).
fee: $398.32

ANT 662
FIELD ARCHAEOLOGY-BLZ
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. May be repeated for credit, but may be taken only once on the letter grade basis. Class meets May 21-July 16. Faculty-led Abroad Program taught at the Archaeological Field School in the Orange Walk District, Belize. Students must consult with the department as travel and orientation dates may be in addition to these dates.
fee: $398.32

ANT 379
PROBLEMS IN ANTHROPOLOGY
Course number may be repeated for credit. Supervised individual research on selected problems in anthropology. Prerequisite: Six semester hours of upper-division coursework in anthropology and consent of instructor.
fee: $74.16

64
course | unique | days | time | room | instructor
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ANT n379 | PROBLEMS IN ANTHROPOLOGY | fee: $74.16 | Hour(s) to be arranged. May be repeated for credit. Supervised individual research on selected problems in anthropology. Prerequisite: Six semester hours of upper-division coursework in anthropology and consent of instructor. | 81035 |
ANT n391 | AFRICAN DIASPORA IN AMERICAS | fee: $21.63 | Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing. | VARGAS, J
ANT n397 | CONF COURSE IN ANTHROPOLOGY | fee: $21.63 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction for graduate students on specialized problems of advanced research. Prerequisite: Graduate standing and consent of instructor. | 81040 |
ANT w698A | THESIS | fee: $21.63 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in anthropology and consent of the graduate adviser; for 698B, Anthropology 699A. | 81050 |
ANT w698B | THESIS | fee: $21.63 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in anthropology and consent of the graduate adviser; for 699B, Anthropology 699A. | 81055 |
ANT w398R | MASTER'S REPORT | fee: $21.63 | Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in anthropology and consent of the graduate adviser; for 699B, Anthropology 699A. | 81060 |
ANT w399R | DISSERTATION | fee: $21.63 | Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Admission to candidacy for the doctoral degree. | 81065 |
ANT w699R | DISSERTATION | fee: $43.26 | Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Admission to candidacy for the doctoral degree. | 81070 |
ANT w999R | DISSERTATION | fee: $64.89 | Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Admission to candidacy for the doctoral degree. | 81075 |
ANT w999W | DISSERTATION | fee: $64.89 | Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Anthropology 399R, 699R, or 999R. | 81080 |
ANT w999W | DISSERTATION | fee: $64.89 | Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: Anthropology 399R, 699R, or 999R. | 81085 |
ANT s301 | PHYSICAL ANTHROPOLOGY | fee: $80.16 | Human evolution, race, heredity, the organic basis of culture; culture history through the Paleolithic stage. | 81090 |
ANT s302 | CULTURAL ANTHROPOLOGY | fee: $77.16 | The concept of culture; social and political organization; language; ethnosocial structure; elementary cultural theory. | 81105 |
ANT s304 | INTRO ARY STDS I: PREHIST ARY | fee: $80.16 | Anthropological study of prehistory, from human beginnings to the appearance of written records. Anthropology 304 and Archaeology 301 may not both be counted. | 81105 |
ANT s324L | 47-AFRO-CARIBN POLIT/CL-NIC | fee: $74.16 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Exploration of black identity, political systems, and community activism in Central America and the Caribbean. Some topics partially fulfill legislative requirement for American history. Only one of the following may be counted: African and African Diaspora Studies 326, 374E (Topic: Afro-Caribbean Politics and Culture in Central America), Anthropology 324L (Topic: Afro-Caribbean Politics and Culture in Central America), 324L (Topic: 47), Government 365N (Topic: Afro-Caribbean Politics and Culture in Central America), Latin American Studies 337M (Topic: Afro-Caribbean Politics and Culture in Central America), 337N, Women's and Gender Studies 340 (Topic: Afro-Caribbean Politics and Culture in Central America), 340 (Topic 38). Prerequisite: Variables with the topic. Additional prerequisite: Upper-division standing. Class meets July 13-August 17. Faculty-led Abroad Program taught in Bluefields, Nicaragua. Students must consult department as travel and orientation dates may be in addition to these dates. same as AFR 326, LAS 337N, WGS 340 (TOPIC 38). also meets with GOV 365N. | 81110 |

DEPARTMENT OF ASIAN STUDIES

Asian Studies - ANS
Bengali - BEN
Chinese - CHI
Hindi - HIN
Japanese - JPN
Korean - KOR
Malayalam - MAL
Pashto - PSH
Sanskrit - SAN
Tamil - TAM
Telugu - TEL
Urdu - URD
CONF COURSE IN ASIAN STUDIES

Course number may be repeated for credit when the topics vary. The development of the discipline and the growth of the students' knowledge of Asian civilization. Prerequisite: Graduate standing and written consent of instructor on form obtained from the graduate coordinator.

• 81200

Dissertation

Offered on the credit/no credit basis only. Prerequisite: Asian Studies 399R, 699R, or 999R.

• 81220

Dissertation

Offered on the credit/no credit basis only. Prerequisite: Asian Studies 399R, 699R, or 999R.

• 81240

Modern China

History of China from the intrusion of the West circa 1500 to the Communist revolution. Prerequisite: Upper-division standing, same as HIS 340M.

• 81245

Research in Asian Studies

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual instruction for Asian studies majors and nonmajors. Discussion, research, and the writing of papers about various general and specialized Asian subjects. Prerequisite: Six semester hours of coursework in Asian studies and written consent of instructor on form obtained from the undergraduate adviser.

• 81250

CONF COURSE IN ASIAN STUDIES

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in Asian studies. Prerequisite: Graduate standing and written consent of instructor on form obtained from the graduate coordinator.

• 81255

First-Year Chinese I

Modern Standard Chinese (Mandarin). Chinese 604 and 506 may not both be counted. Not open to students who understand or speak Mandarin Chinese.

• 81310

Japanese I

Designed for students with no previous coursework in Japanese. Emphasis on basic skills in listening and speaking Japanese and in reading and writing hiragana, katakana, and kanji. Introduction to Japanese culture. Includes computer-assisted instruction. Japanese 601D and 506D may not both be counted. Not open to native speakers of Japanese.

• 81365

Intermediate Japanese

Intermediate level of competency in Japanese to enable students to function in a variety of real-life contexts. Japanese 611D and 412K may not both be counted. Japanese 611D and 412L may not both be counted. Not open to native speakers of Japanese. Prerequisite: Japanese 507 or 610D with a grade of at least C.

• 81370

JAPANESE II

Expands on skills acquired in Japanese 601D or its equivalent. Includes computer-assisted instruction. Japanese 507 and 610D may not both be counted. Not open to native speakers of Japanese. Prerequisite: Japanese 601D or 506 with a grade of at least C.

• 81375

JAPANESE GRAM/COMP/CONVERSATION

Offered on the credit/no credit basis only. Designed to prepare students for specialized advanced Japanese language courses. Japanese 412L and 317C may not both be counted. Not open to native speakers of Japanese. Prerequisite: Japanese 611D with a grade of at least C.

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<td>MTWTHF 1000 - 1130 PAR 206</td>
</tr>
<tr>
<td>LAT f579A HONORS TUTORIAL COURSE</td>
<td>PARRAVIN</td>
<td>$74.16</td>
<td>MTWTHF 1000 - 1130</td>
<td>WAG 201</td>
<td>RABINOWITZ</td>
<td>+41865</td>
<td>MTWTHF 1000 - 1130 PAR 206</td>
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<tr>
<td>LAT f586 CONFERENCE COURSE IN LATIN LIT</td>
<td>PARRAVIN</td>
<td>$21.63</td>
<td>MTWTHF 1000 - 1130</td>
<td>WAG 201</td>
<td>RABINOWITZ</td>
<td>+41865</td>
<td>MTWTHF 1000 - 1130 PAR 206</td>
</tr>
</tbody>
</table>

fee: $21.63

Offered on the credit/no credit basis only. Preparation of a research report to fulfill the requirement for the master's degree. Prerequisite: Graduate standing in Greek and consent of the graduate adviser.
+81705

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81710

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81715

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81720

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81725

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81730

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
+81735
LAT 586L
CONF COURSE IN LATIN LANGUAGE
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Restricted reading. Restricted to students pursuing degrees other than in classics. Prerequisite: Graduate standing.
• 81840

LAT w398R
MASTER'S REPORT
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a research report to fulfill the requirement for the master's degree. Prerequisite: Graduate standing in Latin and consent of the graduate adviser.
• 81845

LAT w399R
DISSERTATION
fee: $21.63

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 81850

LAT w699R
DISSERTATION
fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 81855

LAT w999R
DISSERTATION
fee: $64.89

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 81860

LAT w399W
DISSERTATION
fee: $21.63

Offered on the credit/no credit basis only. Prerequisite: Latin 399R, 699R, or 999R.
• 81865

LAT w699W
DISSERTATION
fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Latin 399R, 699R, or 999R.
• 81870

LAT w999W
DISSERTATION
fee: $64.89

Offered on the credit/no credit basis only. Prerequisite: Latin 399R, 699R, or 999R.
• 81875

LAT s507
FIRST-YEAR LATIN II
fee: $123.60

Continuation of Latin 506. Only one of the following may be counted: Latin 601C, 506 and 507; 506G: 508. Prerequisite: Latin 506 with a grade of at least C.
• 81890 MTWTHF 830 - 1000 WAG 112
• 81895 MTWTHF 1130 - 1230P WAG 112

LAT s309K
CONFERENCE COURSE
fee: $74.16

Hour(s) to be arranged. May be repeated for credit. Supervised individual instruction in second-year Latin reading. Prerequisite: Consent of instructor.
• 81895

LAT s312K
INTERMEDIATE LATIN II
fee: $74.16

Continuation of Latin 311. Selected readings from classical authors. Only one of the following may be counted: Latin 511K, 312K, 312M, 318. Prerequisite: Latin 311 with a grade of at least C.
• 81890 MTWTHF 1000 - 1130 WAG 112

LAT s370
ADVANCED CONFERENCE COURSE
fee: $74.16

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised reading. Prerequisite: Consent of instructor.
• 81895

LAT s679HB
HONORS TUTORIAL COURSE
fee: $74.16

Hour(s) to be arranged. Supervised conference course for honors candidates in Latin. Prerequisite: For 679HA, upper-division standing and admission to the Latin Honors Program; for 679HB, Latin 679HA.
• 81900

LAT s386
CONFERENCE COURSE IN LATIN LIT
fee: $21.63

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.
• 81905

LAT s386L
CONF COURSE IN LATIN LANGUAGE
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Directed reading. Restricted to students pursuing degrees other than in classics. Prerequisite: Graduate standing.
• 81910

COGNITIVE SCIENCE

Cognitive Science - CGS

COMPARATIVE LITERATURE

Comparative Literature - C L

C L f305
3-MOVIES GO TO WAR
fee: $74.16

Course number may be repeated for credit when the topics vary. Study of masterpieces of world literature, of different literary genres, and the relationship between literature and other disciplines such as psychology, philosophy, and film. A comparison of films from various nations about major twentieth century wars to the historical facts of the conflicts as practicums in critical comparative analysis of histories as representations. Only one of the following may be counted: American Studies 315 (Topic: Movies Go to War, World War I to Vietnam), 315C, Comparative Literature 305 (Topic: Movies Go to War, World War I to Vietnam), 305 (Topic 3), European Studies 307 (Topic: Movies Go to War, World War I to Vietnam), 307 (Topic 4), German, Scandinavian, and Dutch Studies 311C, Germanic Civilization 311 (Topic: Movies Go to War, World War I to Vietnam). Prerequisite: Varies with the topic and is given in the Course Schedule. same as AMS 315C, EUS 307 (TOPIC 4), GSD 311C.
• 81965 MTWTHF 1130 - 1000P BUR 106

C L f320
CONF COURSE IN COMPARATIVE LIT
fee: $74.16

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Independent study of literary projects under supervision of professors in comparative literature. Prerequisite: Six semester hours of upper-division coursework in literature, of which three hours must be in a classical or foreign language.
• 81970

C L f391L
CONF COURSE IN COMPARATIVE LIT
fee: $21.63

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Tutorial courses on individually designed basis available through the home departments of members of the comparative literature faculty. Prerequisite: Graduate standing and consent of the graduate adviser in comparative literature.
• 81975

C L n391L
CONF COURSE IN COMPARATIVE LIT
fee: $21.63

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Tutorial courses on individually designed basis available through the home departments of members of the comparative literature faculty. Prerequisite: Graduate standing and consent of the graduate adviser in comparative literature.
• 81980

C L w391L
CONF COURSE IN COMPARATIVE LIT
fee: $21.63

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Tutorial courses on individually designed basis available through the home departments of members of the comparative literature faculty. Prerequisite: Graduate standing and consent of the graduate adviser in comparative literature.
• 81985

C L w689A
THESIS
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in comparative literature and consent of the graduate adviser; for 698B, Comparative Literature 698A and consent of the graduate adviser.
• 81990

C L w689B
THESIS
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in comparative literature and consent of the graduate adviser; for 698B, Comparative Literature 698A and consent of the graduate adviser.
• 81995

C L w399R
MASTERS REPORT
fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in comparative literature and consent of the graduate adviser.
• 82000

C L w399R
DISSERTATION
fee: $21.63

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser in comparative literature.
• 82005

C L w699R
DISSERTATION
fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser in comparative literature.
• 82010

C L w999R
DISSERTATION
fee: $64.89

Offered on the credit/no credit basis only. Prerequisite: Comparative Literature 399R, 699R, or 999R, and consent of the graduate adviser in comparative literature.
• 82020

C L w699W
DISSERTATION
fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Comparative Literature 399R, 699R, or 999R, and consent of the graduate adviser in comparative literature.
• 82025

C L w999W
DISSERTATION
fee: $64.89

Offered on the credit/no credit basis only. Prerequisite: Comparative Literature 399R, 699R, or 999R, and consent of the graduate adviser in comparative literature.
• 82030
MASTERSWORKS OF WORLD LIT  fee: $74.16
Introduction to masterpieces of the world's literary traditions, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 603A, meets with E 316N.
- 82035 MTWTHF 1130 - 1000 PAR 201 DOHERTY, B

MASTERSWORKS OF WORLD LIT  fee: $74.16
Designed to accommodate 35 or fewer students. Introduction to masterpieces of the world's literary traditions, emphasizing historical, generic, and thematic connections.
- 82040 MTWTHF 230 - 400PM MEZ 2.124 HINRICHES, L
- 82045 MTWTHF 100 - 2300P PAR 206 NEHRING, N

CONF COURSE IN COMPARATIVE LIT  fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class.
- 82055 MTWTHF 230 - 400PM CLA 0.120 GAFLA, O

WRITER WITHIN  fee: $74.16
Course number may be repeated for credit when the topics vary. Study of masterpieces of world literature; of different literary genres; of the relationship between literature and other disciplines, such as psychology, philosophy, and film; and of special topics of a comparative nature. Some sections offered on the letter-grade basis only. Prerequisite: Varies with the topic. meets with CRW 325, J S 363.
- 82055 MTWTHF 230 - 400PM CLA 0.120 GAFLA, O

11-FILMS OF IMNAG BERGMAN  fee: $74.16
Course number may be repeated for credit when the topics vary. Study of masterpieces of world literature; of different literary genres; of the relationship between literature and other disciplines, such as psychology, philosophy, and film; and of special topics of a comparative nature. An introduction to the films of Ingmar Bergman. Some sections offered on the letter-grade basis only. Only one of the following may be counted: Comparative Literature 322 (Topic: Films of Ingmar Bergman), 323 (Topic 11), English 322 (Topic 18), European Studies 347 (Topic: Films of Ingmar Bergman), 347 (Topic 13), German, Scandinavian, and Dutch Studies 331C, Scandinavian 327 (Topic 9).
- 82060 MTWTHF 1000 - 1130 BUR 337 WILKINSON, L

CONF COURSE IN COMPARATIVE LIT  fee: $21.63
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Tutorial courses on individually designed basis available through the home departments of members of the comparative literature faculty. Prerequisite: Graduate standing and consent of the graduate adviser in comparative literature.
- 82065

THOMAS JEFFERSON CENTER FOR THE STUDY OF CORE TEXTS AND IDEAS

Core Texts and Ideas- CTI

ABRAHAM & ABRAHAMIC RELIGIONS  fee: $74.16
Course number may be repeated for credit when the topics vary. Study of classic texts, connected historically or thematically. Core Texts and Ideas 375 and Western Civilization 320 may not both be counted unless the topics vary. Prerequisite: Varies with the topic.
- 82120 MTWTHF 100 - 230P KAPLAN, J

INTRODUCTION TO ANCIENT GREECE  fee: $74.16
Course number may be repeated for credit when the topics vary. Introduction to fundamental texts and questions that have helped shape the world. Core Texts and Ideas 310 and Western Civilization 303 may not both be counted unless the topics vary. Topic description: Greatness of Greece as reflected in Greek history, literature, philosophy, art, and religion; no previous knowledge of Greek is required. meets with C C 301.
- 82125 MTWTHF 1000 - 1130 WAG 201 RABINOWITZ, A

DEPARTMENT OF ECONOMICS

ECON 304K INTRODUCTION TO MICROECONOMICS  fee: $74.16
Analysis of the economic behavior of individual consumers, firms, and workers; special attention to the role of markets.
- 82235 MTWTHF 1000 - 1130 WAG 214

ECON 420K MICROECONOMIC THEORY  fee: $98.88
A survey of neoclassical and contemporary theories of the principal determinants of prices and of the role of prices in economic organization. Required of students majoring in economics. Prerequisite: Economics 304K and 304L with a grade of at least C- in each; and Mathematics 408C and 408D, or 408K and 408L, or 408N and 408S, with a grade of at least C- in each.
- 82245 MTWTHF 800 - 1000 CLA 0.128
- 82245 MTWTHF 900 - 1000 CLA 0.128
- 82245 MTWTHF 1000 - 1000 CLA 0.128
- 82245 MTWTHF 1000 - 1000 F 100 - 300P BRB 1.118

ECON 527 COMPARATIVE ECONOMIC SYSTEMS  fee: $74.16
Theories of and practices in the principal types of economic systems. Prerequisite: Economics 304K and 304L with a grade of at least C- in each.
- 82250 MTWTHF 930 - 1100 BRB 1.118 TRINQUE, B

ECON 529 ECONOMIC STATISTICS  fee: $74.16
Methods of statistical analysis and interpretation of quantitative data in the field of economics. Only one of the following may be counted: Economics 329, Statistics 309, 309H. Prerequisite: Economics 304K and 304L, with a grade of at least C- in each; and Mathematics 408C and 408D, or 408K and 408L, or 408N and 408S, with a grade of at least C- in each.
- 82255 MTWTHF 1000 - 2300P CLA 1.104 IOUDINA, V

ECON 641K INTRODUCTION TO ECONOMETRICS  fee: $74.16
Introduces the student to standard regression procedures of parameter estimation and hypothesis testing in economics. Prerequisite: Economics 420K and 329 with a grade of at least C- in each.
- 82260 MTWTHF 1130 - 1000 CLA 1.104 IOUDINA, V

ECON 650K 9-HEALTH ECONOMICS  fee: $74.16
Course number may be repeated for credit when the topics vary. Topics may include in-depth analysis of problems in economic theory, applications, and economic policy. Examines the role and justification for government involvement in the medical care system. Subjects include the special features of medical care as a commodity, the demand for health and medical services, the economic explanations for the behavior of medical care providers, the functioning of insurance markets, federal health insurance programs, and regulation. Economics 330T and 350K may not both be counted unless the topics vary. Only one of the following may be counted: Economics 330T (Topic: Health Economics), 350K (Topic: Health Economics); 350K (Topic 9). Designed primarily for economics majors. Prerequisite: Economics 420K with a grade of at least C-. Graduate prerequisites may vary with the topic.
- 82265 MTWTHF 1000 - 1130 BRB 1.120 SCHNEIDER, H

ECON w378H HONORS TUTORIAL COURSE I  fee: $74.16
Hour(s) to be arranged. Supervised individual reading, research, and writing of a substantial paper on a special topic in the field of economics. Prerequisite: Upper-division standing, admission to the Economics Honors Program, and consent of the honors adviser.
- 82270

ECON 930 RESEARCH COURSE  fee: $21.63
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser in economics.
- 82275

ECON 937L 30-RESEARCH SEMINAR  fee: $21.63
Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. With consent of instructor, may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor.
- 82280 MTWTHF 1130 - 1000 BRB 2.136

ECON w698A THESIS  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in economics, twelve semester hours of upper-division or graduate coursework in economics, and consent the graduate adviser; for 698B, Economics 698A.
- 82285

ECON w698B THESIS  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698B, graduate standing in economics, twelve semester hours of upper-division or graduate coursework in economics, and consent the graduate adviser; for 698B, Economics 698A.
- 82290

ECON w399R DISSERTATION  fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
- 82295
ECO w599R DISCISSION ECONOMICS FOR ECONOMISTS Offered on the letter-grade basis only. Mathematical tools widely used for economic analysis, including advanced calculus, optimization methods, linear algebra, and dynamic systems. Restricted to master's students in the economics option III program. Prerequisite: Graduate standing.
- 82395 MTWTH 900 - 10:30 BRB 1.118

ECO w699R DISCISSION PREREQUISITE: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
- 82300

ECO w999W DISCISSION Offered on the letter-grade basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.
- 82305
- 82310
- 82315

ECO w999W DISCISSIONFee: $21.63 Offered on the letter-grade basis only. Prerequisite: Economics 399R, 699R, or 999R.
- 82320

ECO s301 INTRODUCTION TO ECONOMICS Explores how economists describe and measure the economy in the aggregate and in specific markets, such as the labor market, the housing market, financial markets, and international trade. Studies concepts for measurement and data, as well as methods, approaches, and technologies used in social and behavioral science. May not be counted toward a major in economics.
- 82325 MTWTHF 1000 - 1130 CLA 0.128 SHOWALTER, D

ECO s304L INTRODUCTION TO MACROECONOMICS Analysis of the economy as a whole (its organization and the basic forces influencing its growth and development); money and banking, national income, public finance, and international linkages. Prerequisite: Economics 304K with a grade of at least C.
- 82330 MTWTHF 100 - 230P CLA 1.104 MOSTASHARI, S

ECO s420K MICROECONOMIC THEORY A survey of classical and contemporary theories of the principal determinants of prices and of the role of prices in economic organization. Required of students majoring in economics. Prerequisite: Economics 304K and 304L with a grade of at least C- in each; and Mathematics 408C and 408D, or 408K and 408L, or 408N and 408S, with a grade of at least C- in each.
- 82335 MTWTH 800 - 1000 WEL 3.502 CLEMENTS, M
- 82340 MTWTH 800 - 1000 WEL 3.502 CLEMENTS, M
- 82345 MTWTH 800 - 1000 WEL 3.502 CLEMENTS, M
- 82350 MTWTH 1000 - 1200 WEL 3.502 CLEMENTS, M
- 82355 MTWTH 1000 - 1200 WEL 3.204 HICKENBOTTOM, W
- 82360 MTWTHF 830 - 1000 CLA 1.104 TRINQUE, B

ECO s320L MACROECONOMIC THEORY Theory of the determination of national income, employment, and the price level, with policy implications. Required of students majoring in economics. Prerequisite: Economics 304K and 304L with a grade of at least C- in each.
- 82360 MTWTHF 830 - 1000 CLA 1.104 TRINQUE, B

ECO s315M MANAGERIAL ECONOMICS The use of economic analysis optimizing techniques as tools for improving managerial decision making in business. Prerequisite: Economics 420K, and Economics 329 or Mathematics 325K, with a grade of at least C- in each.
- 82365 MTWTHF 830 - 930 BRB 1.120 MARBLE, S

ECO s355 DEV PROBS/POLS IN LATIN AMER Description of the Latin American economy; business and market organization; problem of growth (including credit, public finance, trade, investment aspects). Prerequisite: Economics 304K and 304L with a grade of at least C- in each; same as LAS 355 (TOPIC-1), USB 357 (TOPIC-1).
- 82370 MTWTHF 1000 - 1130 CLA 1.104 IBARRA, A

ECO s380 RESEARCH COURSE Fee: $21.63 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser in economics.
- 82375

ECO s387L 30-RESEARCH SEMINAR Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. With consent of instructor, may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor.
- 82380 MTWTHF 1130 - 1200P BRB 1.120

ECO s394C MATHEMATICS FOR ECONOMISTS Fee: $21.63 Offered on the letter-grade basis only. Mathematical tools widely used for economic analysis, including advanced calculus, optimization methods, linear algebra, and dynamic systems. Restricted to master's students in the economics option III program. Prerequisite: Graduate standing.
- 82395 MTWTH 900 - 10:30 BRB 1.118

ECO s394D PROBABILITY AND STATISTICS Fee: $21.63 Offered on the letter-grade basis only. Probability theory and statistical methods used in economics and econometrics. Restricted to master's students in the economics option III program. Prerequisite: Graduate standing.
- 82390 MTWTH 1030 - 1200 BRB 1.118

ECO s395M REAL ANALYSIS Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Restricted to master's students in the economics option III program. Prerequisite: Graduate standing.
- 82395 MTWTHF 130 - 300P BRB 1.118

DEPARTMENT OF ENGLISH

Creative Writing - CRW

English - E

CRW f325F FICTION WRITING Detailed study and practice of the techniques of fiction writing; includes reading and analysis of contemporary models. Only one of the following may be counted: Creative Writing 325F, English 325 (Topic 1: Creative Writing: Fiction), 325F. Prerequisite: One of the following: Comparative Literature 315, English 630B, 316L (or 316K), 316M (or 316K), 316N (or 316K), 316P (or 316K), or Tutorial Course 630B.
- 82450 MTWTHF 1000 - 1130 PAR 310 PIPKIN, J

CRW f325P POETRY WRITING Detailed study and practice of the techniques of poetry writing; includes reading and analysis of contemporary models. Only one of the following may be counted: Creative Writing 325P, English 325 (Topic 2: Creative Writing: Poetry), 325P. Prerequisite: One of the following: Comparative Literature 315, English 630B, 316L (or 316K), 316M (or 316K), 316N (or 316K), 316P (or 316K), or Tutorial Course 630B.
- 82465 MTWTHF 1000 - 230P PAR 310 FRYE, E

CRW s325 WRITING WITHIN Course number may be repeated for credit when the topics vary. Detailed study and practice of the techniques of biography, creative nonfiction, or other special topics of creative writing; includes reading and analysis of contemporary models. Creative Writing 325 and English 325 may not both be counted unless the topics vary. Prerequisite: One of the following: Comparative Literature 315, English 630B, 316L (or 316K), 316M (or 316K), 316N (or 316K), 316P (or 316K), or Tutorial Course 630B.
- 82465 MTWTHF 100 - 230P BEN 1.106

CRW s325F FICTION WRITING Detailed study and practice of the techniques of fiction writing; includes reading and analysis of contemporary models. Only one of the following may be counted: Creative Writing 325F, English 325 (Topic 1: Creative Writing: Fiction), 325F. Prerequisite: One of the following: Comparative Literature 315, English 630B, 316L (or 316K), 316M (or 316K), 316N (or 316K), 316P (or 316K), or Tutorial Course 630B.
- 82465 MTWTHF 1000 - 230P BEN 1.106

E f314L 3-BANDED BOOKS AND NOVEL IDEAS Fee: $74.16 Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Emphasis on skills and methods used in upper-division English courses; intensive practice in writing; and an introduction to field-specific research. May not be substituted for English 316L (or 316K), 316M (316K), 316N (or 316K), 316P (or 316K), or Tutorial Course 630A.
- 82520 MTWTHF 1000 - 1130 PAR 302 SHINGAVI, S

E f316L BRITISH LITERATURE Fee: $74.16 Introduction to masterpieces of the British literary tradition, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 630A, Rhetoric and Writing 306, 306Q, or Tutorial Course 630A.
- 82525 MTWTHF 1000 - 1130 PAR 201 PINKERTON, S
- 82530 MTWTHF 1000 - 230P WAG 101 CHRISTIAN, G

E f316M AMERICAN LITERATURE Fee: $74.16 Introduction to masterpieces of the American literary tradition, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 630A, Rhetoric and Writing 306, 306Q, or Tutorial Course 630A.
- 82535 MTWTHF 830 - 1000 PAR 1 COX, J
- 82540 MTWTHF 1130 - 1200P PAR 201 LESSER, W
- 82545 MTWTHF 230 - 400P PAR 201 BERRY, B

E f318Q SUPERVISED RESEARCH Fee: $74.16 Hour(s) to be arranged. Student-initiated research conducted with instructor supervision. May be repeated once for credit. Prerequisite: Approval of written application by supervising instructor and the undergraduate faculty adviser.
- 82550
<table>
<thead>
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<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<td>E 621</td>
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<tr>
<td></td>
<td>SHAKESPEARE: SELECTED PLAYS</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. A representative selection of Shakespeare's best comedies, tragedies, and histories. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing.</td>
<td>82555 MTWTHF 100 - 230P PAR 204</td>
<td>KORNHABER, D</td>
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<td>E 623R</td>
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<td>THE ROMANTIC PERIOD</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. The prose and poetry of writers such as Blake, Wordsworth, Coleridge, Byron, Keats, Shelley, and others. English 329R and 329R may not both be counted. English 329L and 329R may not both be counted. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing.</td>
<td>82569 MTWTHF 1000 - 1130P PAR 204</td>
<td>WHEIRLE, C</td>
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<td>MODERNISM AND LITERATURE</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. Strands of thought and literature that form the network of modernist writing. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing.</td>
<td>82560 MTWTHF 1130 - 100P PAR 204</td>
<td>CARTER, M</td>
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<td>E 649S</td>
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<td>BOB DYLAN</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Intensive study of the works of a single major author or two major authors. Only one of the following may be counted unless the topics vary: English 328M, 349S, 370W, 370L, 370M, 370N. Some sections are offered on the letter-grade basis only. Prerequisite: Six semester hours of upper-division coursework in English.</td>
<td>82565 MTWTHF 1000 - 1130P PAR 105</td>
<td>DORHITY, B</td>
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<td>SUPERVISED RESEARCH</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Student-initiated research conducted with instructor supervision. May be repeated once for credit. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by supervising instructor and the undergraduate faculty adviser.</td>
<td>82560 MTWTHF 1130 - 100P PAR 204</td>
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<td>CONF COURSE IN LIT AND LANG</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. For students who wish to work under supervision on specific projects in literature or language. May be repeated once for credit. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by supervising instructor and the undergraduate faculty adviser.</td>
<td>82560 MTWTHF 1130 - 100P PAR 204</td>
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<td>ENGLISH INTERNSHIP</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Offered on the pass/fail basis only. Research and staff experience working in an appropriate agency or private business. May not be counted toward the English major or minor. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by supervising instructor and the undergraduate faculty adviser.</td>
<td>82560 MTWTHF 1130 - 100P PAR 204</td>
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<td>AFR AM LIT SNC HARLM RENAI</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. The development of African American poetry, drama, fiction, and nonfiction since the Harlem Renaissance. Authors may include Wright, Ellison, Baldwin, Malcolm X, Baraka, Morrison, Shange, and Charles Johnson. African and African Diaspora Studies 372E (Topic 5) and English 370S may not both be counted. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing.</td>
<td>82560 MTWTHF 1130 - 100P PAR 204</td>
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<td>SHAKESPEARE AT WINEGATE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Study and readings of selected works and criticism, culminating in public performance of the plays. For English 678B, students are required to be in residence at Winedale near Round Top, Texas. English 678A and 370M (Topic 2: Shakespeare at Winedale) may not both be counted. Prerequisite: For 678A, consent of instructor; for 678B, English 678A and consent of instructor. Taught at Winedale near Round Top, Texas.</td>
<td>82600</td>
<td>LOEHLING, J</td>
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<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Research and development of a thesis topic and proposal followed by the writing and defense of a thesis. Prerequisite: For 679HA, enrollment in or completion of at least one honors section of an English course admission to the English Honors Program, and consent of the honors adviser; for 679HBA, English 679H, and consent of the honors adviser; for 679HBB, English 679H.</td>
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<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Research and development of a thesis topic and proposal followed by the writing and defense of a thesis. Prerequisite: For 679HA, enrollment in or completion of at least one honors section of an English course admission to the English Honors Program, and consent of the honors adviser; for 679HBB, English 679H.</td>
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<td>SCHOLARLY PUBLICATION</td>
<td>fee: $21.63</td>
<td>Course number may be repeated for credit when the topics vary. Topics include bibliography, textual studies, history of the book, and materials of literary research. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
<td>82615 MTWTHF 600 - 730P CAL 323</td>
<td>SCALA, E</td>
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<td>RSRC MTHS &amp; PUBLICATN STRATS</td>
<td>fee: $21.63</td>
<td>Course number may be repeated for credit when the topics vary. Topics include bibliography, textual studies, history of the book, and materials of literary research. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
<td>82620 0319</td>
<td>Houser, H</td>
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<td>CONF COURSE: FIELD EXAMINATION</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: PROSPECTUS EXAM</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: SUPERVISED STUDY</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: PROSPECTUS EXAM</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: SUPERVISED STUDY</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: SUPERVISED STUDY</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>CONF COURSE: PROSPECTUS EXAM</td>
<td>fee: $43.26</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the English graduate adviser.</td>
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<td>MASTER'S REPORT</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in English and consent of the graduate adviser.</td>
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<td>SUPERVISED TEACHING IN ENGLISH</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. May be repeated once for credit. Prerequisite: Graduate standing, consent of the English graduate adviser, and appointment as a teaching assistant or instructor/an instructor/a lower-division English course in literature or writing.</td>
<td>82680 MTWTHF 1000 - 1100 CLA 0108</td>
<td>SMITH, D</td>
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<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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E w699R | DISSERTATION fee: $43.26 | Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 62690 | E s358Q | SUPERVISED RESEARCH fee: $74.16 | Hour(s) to be arranged. Student-initiated research conducted with instructor supervision. May be repeated once for credit. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by supervising instructor and the undergraduate faculty advisor. | • 82790
E w999R | DISSERTATION fee: $64.89 | Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | • 62695 | E s364D | CREOLE LANGS & THEIR SPEAKERS fee: $74.16 | Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Students in English with particular attention to linguistic and cultural diversity. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing. meets with LIN 350, AFR 372G. | • 82795
E w399R | DISSERTATION fee: $21.63 | Offered on the credit/no credit basis only. Prerequisite: English 399R, 699R, or 999R. | • 82700 | E s367C | CONF COURSE IN LIT AND LANG fee: $74.16 | Hour(s) to be arranged. For students who wish to work under supervision on specific projects in literature and language. May be repeated once for credit. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by the undergraduate faculty advisor. Twelve hours of fieldwork a week to be arranged. | • 82795
E w699W | DISSERTATION fee: $43.26 | Offered on the credit/no credit basis only. Prerequisite: English 399R, 699R, or 999R. | • 82705 | E s367E | ENGLISH INTERNSHIP fee: $74.16 | Hour(s) to be arranged. Offered on the pass/fail basis only. Research and staff experience working in an appropriate agency or private business. May not be counted toward the English major or minor. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by the undergraduate faculty advisor. Twelve hours of fieldwork a week to be arranged. | • 82795
E w999W | DISSERTATION fee: $64.89 | Offered on the credit/no credit basis only. Prerequisite: English 399R, 699R, or 999R. | • 82710 | E s37K | ENGLISH AND AMERICAN SATIRE fee: $74.16 | Designed to accommodate 35 or fewer students. Theory of satire, with readings in the works of such representative figures as Chaucer, Dryden, Pope, Byron, Twain, and Thurbur. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing. | • 82800
E s316L | BRITISH LITERATURE fee: $74.16 | Introduction to masterpieces of the British literary tradition, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 603A. | • 82715 MTWTHF 1000 - 230P PAR 203 BRUSTER, D | E s678SB | SHAKESPEARE AT WINEDALE-TXVA fee: $74.16 | Hour(s) to be arranged. Study and readings of selected works and criticism, culminating in public performance of the plays. For English 678SB, students are required to be in residence at Winedale near Round Top, Texas. English 678S and 379M (Topic 2: Shakespeare at Winedale) may not both be counted. Prerequisite: For 678S, consent of instructor; for 678SB, English 678SA and consent of instructor. Taught at Winedale near Round Top, Texas, and in Staunton, Virginia. | • 82805
E s316M | AMERICAN LITERATURE fee: $74.16 | Introduction to masterpieces of the American literary tradition, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 603A. | • 82720 MTWTHF 1000 - 1130P PAR 203 RICHARDSON, M | E s679A | HONORS TUTORIAL COURSE fee: $74.16 | Hour(s) to be arranged. Research into and development of a thesis topic and proposal followed by written and defense of a thesis. Prerequisite: For 679A, enrollment in or completion of at least one honors section of an English course, admission to the English Honors Program, and consent of the honors advisor; for 679BA, English 679A. | • 82810
E s316N | WORLD LITERATURE fee: $74.16 | Introduction to masterpieces of world literature, emphasizing historical, generic, and thematic connections. Prerequisite: One of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 603A, meets with C L 315. | • 82735 MTWTHF 1130 - 100P PAR 201 DOHERTY, B | E s679B | HONORS TUTORIAL COURSE fee: $74.16 | Hour(s) to be arranged. Research into and development of a thesis topic and proposal followed by written and defense of a thesis. Prerequisite: For 679A, enrollment in or completion of at least one honors section of an English course, admission to the English Honors Program, and consent of the honors advisor; for 679BA, English 679A. | • 82815
E s31Q | SUPERVISED RESEARCH fee: $74.16 | Hour(s) to be arranged. Student-initiated research conducted with instructor supervision. May be repeated once for credit. Prerequisite: Approval of written application by supervising instructor and the undergraduate faculty advisor. | • 82750 | E s379R | 3-JFK ASSNTNT: FACT/FICT/FANT fee: $74.16 | Course number may be repeated for credit when the topics vary. Intensive study of selected topics in English. Subjects include establishing a factual basis regarding different aspects of the Kennedy assassination; fiction inspired by the assassination; and examining conspiracy theories of the assassination. English 379R and 379S may not both be counted. Only one of the following may be counted unless the topics vary: English 320M, 348S, 370W, 376L, 378M, 379M, 379N. Some sections are offered on the letter-grade basis only. Only one of the following may be counted: English 379R (Topic: The Kennedy Assassination: Fact, Fiction and Fantasy). 379R (Topic 3), Liberal Arts Honors 350 (Topic: The Kennedy Assassination: Fact, Fiction and Fantasy). Prerequisite: Six semester hours of upper-division coursework in English. | • 82820 MTWTHF 230 - 400P BEN 1.106 GRAHAM, D
E s321 | SHAKESPEARE: SEL PLAYS-GBR fee: $74.16 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. A representative selection of Shakespeare's best comedies, tragedies, and histories. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing. Restricted to students in the Oxford Summer Program. Faculty-led Abroad Program taught in Oxford, England. Students must consult with department as travel and orientation dates may be in addition to these dates. | • 82755 RUMICH, J | E s384K | SCHOLARLY PUBLICATION fee: $21.63 | Course number may be repeated for credit when the topics vary. Topics include bibliography, textual studies, history of the book, and materials of literary research. Prerequisite: Graduate standing and consent of the English graduate adviser. | • 82825 MTWTHF 600 - 730P CAL 323 HUTCHISON, C
E s34S | 1-JANE AUSTEN-GBR fee: $74.16 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: English 320M, 350M, 376L, 379M, 379N. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing. Restricted to students in the Oxford Summer Program. Faculty-led Abroad Program taught in Oxford, England. Students must consult with department as travel and orientation dates may be in addition to these dates. | • 82770 BERTELSEN, L | E s350M | RDNGWRTG IN ROMANTIC VEN-GBR fee: $74.16 | Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: English 320M, 350M, 376L, 379M, 379N. Some sections are offered on the letter-grade basis only. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing. Restricted to students in the Oxford Summer Program. Faculty-led Abroad Program taught in Oxford, England. Students must consult with department as travel and orientation dates may be in addition to these dates. | • 82775 HEINZELMAN, K
E s358Q | SUPERVISED RESEARCH fee: $74.16 | Hour(s) to be arranged. Student-initiated research conducted with instructor supervision. May be repeated once for credit. Prerequisite: Completion of at least sixty semester hours of coursework, including at least six semester hours of upper-division coursework in English or rhetoric and writing; a University grade point average of at least 3.00; and approval of written application by supervising instructor and the undergraduate faculty advisor. | • 82790

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ETNIC STUDIES

Ethnic Studies is comprised of course offerings in Asian American Studies and Mexican American Studies.

CENTER FOR ASIAN AMERICAN STUDIES

Asian American Studies - AAS

AAS f312 INTRO TO ASIAN AMERICAN HIST fee: $74.16
Introduces students to the national and transnational histories of Asian Americans in the United States. Explores a wide range of themes related to the Asian American experience. Asian American Studies 312 and History 317L (Topic 4) may not both be counted. Partially fulfills legislative requirement for American history. same as HIS 317L (TOPIC 4).
- 82900 MTWTHF 1130 - 100P PAR 303

AAS s312 INTRO TO ASIAN AMERICAN HIST fee: $74.16
Introduces students to the national and transnational histories of Asian Americans in the United States. Explores a wide range of themes related to the Asian American experience. Asian American Studies 312 and History 317L (Topic 4) may not both be counted. Partially fulfills legislative requirement for American history. same as HIS 317L (TOPIC 4).
- 82623 MTWTHF 1130 - 100P GAR 1.125 HAMILTON, P

AAS s397 CONF CRS IN ASIAN AMER STUDIES fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in Asian American studies. Prerequisite: Upper-division standing and consent of the director of the Center for Asian American Studies.
- 82605

CENTER FOR MEXICAN AMERICAN STUDIES

Mexican American Studies - MAS

MAS f319 INTRO MEX AM/LATINA/O STUDIES fee: $74.16
Course number may be repeated for credit when the topics vary. Some topics partially fulfill legislative requirement for American history.
- 82920 MTWTHF 100 - 230P CLA 1.108

MAS f374 AM INDIAN-MEX AMER LIT & FILM fee: $74.16
Course number may be repeated for credit when the topics vary. Some topics partially fulfill legislative requirement for American history. Prerequisite: Varies with the topic and is given in the Course Schedule.
- 82685 MTWTHF 1000 - 1130 PAR 210 COX, J

MAS w375 INTERNSHIP fee: $74.16
Hour(s) to be arranged. Students participate in a nonpaid, direct-service capacity in a community, civic, or government organization or program that facilitates the economic, political, and social development of the Mexican American community. Under the supervision of a faculty member, students write a report based on the internship project. With consent of the director or academic advisor, may be repeated for credit. Restricted to Mexican American studies majors. Prerequisite: Mexican American Studies 310, 318, and 374; or consent of the director.
- 82970

MAS w382 CONF CRS IN MEXICAN AMER STD'S fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of the graduate adviser.
- 82975

MAS w698A THESIS fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Mexican American studies and consent of the graduate adviser; for 698B, Mexican American Studies 698A.
- 82980

MAS w698B THESIS fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Mexican American studies and consent of the graduate adviser; for 698B, Mexican American Studies 698A.
- 82985

MAS w398R MASTER'S REPORT fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in Mexican American studies and consent of instructor.
- 82990

MAS s361 MEXICAN AMER CUL STUDIES SMNR fee: $74.16
Explores cultural studies literature as read through the experience of the Mexican-origin community in the United States. Discussions include race, class, and feminism. Students write a research paper and deliver a scholarly presentation. Prerequisite: Upper-division standing and Mexican American Studies 307. 82995 MTWTHF 1100 - 1130 CLA 0.118 GONZALEZ-MARTIN, R

MAS s374 SOCIO CUL INFLUENCES ON LEARN fee: $74.16
Course number may be repeated for credit when the topics vary. Some topics partially fulfill legislative requirement for American history. Prerequisite: Varies with the topic and is given in the Course Schedule.

European Studies - EUS

EUS f307 4-MOVIES GO TO WAR fee: $74.16
Course number may be repeated for credit when the topics vary. A comparison of films from various nations about major twentieth century wars to the historical facts of the conflicts as practiced in critical comparative analysis of histories as representa-
- 83090 MTWTHF 100 - 230P BSB 278 URRIETA, L

EUS f340M CONTINUING IN MOD FRANCE-FRA fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Focuses on various social, political, and cultural crises in France from the revolution of 1789 to the present time. Only one of the following may be counted: European Studies 340M, French Civilization 340M. May not be counted toward fulfillment of the foreign language requirement for any bachelor's degree.
- 83090 MTWTHF 1130 - 100P BUR 108

EUS f346 HIST OF BRITAIN RESTORATN-1783 fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: European Studies 346, 347, 348, 363. Prerequisite: Varies with the topic. meets with HIS 334J.
- 83085 MTWTHF 1000 - 230P GAR 1.126 VAUGHN, J

EUS f350 3-WITCHES, WORKERS, AND WIVES fee: $74.16
Course number may be repeated for credit when the topics vary. Explores the role of families and concepts of gender as expressed in key economic, social, political, and cultural patterns in early modern Europe. Only one of the following may be counted unless the topics vary: European Studies 346, 347, 348, 363. Prerequisite: Varies with the topic. meet with HIS 343W, WGS 345 (TOPIC IC 29).
- 83070 MTWTHF 1130 - 100P WEL 2.304 HARDJICK, W

EUS w356 GERMANY & EUROPE SNC 1945-GER fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Restricted to students participating in the summer program in Wuerzburg, Germany. Prerequisite: Upper-division standing and consent of instructor. Class meets May 22-July 31. Faculty-led Abroad Program taught in Wuerzburg, Germany. Students must consult with department as travel and orientation dates may be in addition to these dates.
- 83075
ISLAM IN SOUTHEASTERN EUROPE
fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: European Studies 346, 347, 348, 363. Prerequisite: Varies with the topic. meets with REE 333, R S 337, J S 364, HIS 362G.
- 83080 MTWTHF 1000 - 1130 PAR 310 CELIK, M
7-GLOBALIZATION
fee: $74.16
Course number may be repeated for credit when the topics vary. A sociological analysis of the interrelated economic, political, and cultural aspects of globalization. Examine the consequences of globalization for nations around the world and for groups within these nations. Only one of the following may be repeated unless the topics vary: European Studies 346, 347, 348, 363. Only one of the following may be counted: European Studies 346 (Topic: Globalization), 346 (Topic 7), Sociology 321K (Topic: Globalization), 340C. Prerequisite: Varies with the topic. Additional prerequisite: Upper-division standing. same as SOC 340C.
- 83083 MTWTHF 1130 - 100P CLA 1.106 GREEN, P

INTRO TO THE HOLOCAUST
fee: $74.16
Course number may be repeated for credit when the topics vary. Examines the mass killing of Jews and other victims in the context of Nazi Germany's quest for race and space during World War II. Only one of the following may be counted unless the topics vary: European Studies 346, 347, 348, 363. Only one of the following may be counted: European Studies 346 (Topic: Introduction to the Holocaust), 346 (Topic 17), History 362G (Topic: Introduction to the Holocaust), 362G (Topic 3), Jewish Studies 364 (Topic: Introduction to the Holocaust), 364 (Topic 6). Middle Eastern Studies 325 (Topic: Introduction to the Holocaust), Russian, East European, and Eurasian Studies 335 (Topic: Introduction to the Holocaust), 335 (Topic 17). Prerequisite: Varies with the topics. same as HIS 362G (Topic 3), J S 364 (Topic 6), REE 335 (Topic 17).
- 83085 MTWTHF 1000 - 1130 CLA 1.108 LICHTENSTEIN, T

DEPARTMENT OF FRENCH AND ITALIAN
French - FR
French Civilization - F C
Italian - ITL
Italian Civilization - ITC
FR e346
ADVANCED FRENCH II-FRA
fee: $76.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Continuation of French 320E. Designed to develop the listening, speaking, reading, and writing skills needed to analyze literary and cultural readings in the French-speaking world. Prerequisite: French 320E. Class meets May 26-July 10. Faculty-led Abroad Program taught in Lyon, France. Students must consult with department as travel and orientation dates may be in addition to these dates.
- 83190 GUILLOTEAU, N
FR w697A
THESIS
fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 697A, graduate standing in French and consent of the graduate adviser; for 698A, French 698A.
- 83190
FR w698B
THESIS
fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in French and consent of the graduate adviser; for 698B, French 698A.
- 83195
FR w398R
MASTER'S REPORT
fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in French and consent of the graduate adviser.
- 83200
FR w399R
DISSERTATION
fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 83205
FR w699R
DISSERTATION
fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 83210
FR w899R
DISSERTATION
fee: $54.89
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 83215
FR w301
FR FOR GRAD STUS IN OTHER DEPT
fee: $74.16
Offered on the credit/no credit basis only. Intensive reading course for graduate students, emphasizing basic grammar and vocabulary with translation practice. The symbol CR fulfills the foreign language requirement for the Doctor of Philosophy degree in some departments. May not be used to fulfill the foreign language requirement for any bachelor's degree. No auditors permitted. Prerequisite: Graduate standing.
- 83150 MTWTHF 1000 - 230P BEN 1.106
FR n601C
BEGINNING FRENCH
fee: $148.32
An intensive beginning course with an emphasis on basic skills: listening, speaking, reading, and writing. Only one of the following may be counted: French 601C, 604, 506. Only one of the following may be counted: French 601C, 604, 506, 509K.
- 83150 MF 830 - 1030 BEN 1.106
- 83160 MFW 830 - 1030 BEN 1.106
- 83160 MFW 100 - 330P MEZ 1.208
- 83160 MFW 100 - 330P MEZ 1.208
FR n611C
INTERMEDIATE FRENCH
fee: $148.32
An intensive intermediate course with emphasis on basic skills: listening, speaking, reading, and writing. Does not meet the prerequisite requirements for French 320E or 324L. Only one of the following may be counted: French 611C, 612, 312K. French 310L and 611C may not both be counted. French 611C and 612 may not both be counted. French 611C and 512, may not both be counted. Prerequisite: French 601C, 604, 507, 509K, or 509W.
- 83165 MWF 830 - 1030 MEZ 1.208
- 83165 MWF 100 - 330P MEZ 1.208
- 83165 MWF 100 - 330P MEZ 1.208
- 83165 MWF 100 - 330P MEZ 1.208
FR e317C
ENHANCING FRENCH SKILLS
fee: $74.16
Listening, speaking, reading, and writing course designed to provide additional preparation for upper-division French courses. Prerequisite: French 611C with a grade of at least C.
- 83175 MTWTHF 1000 - 1130 MEZ 2.122
ENHANCING FRENCH SKILLS-FRA
fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Listening, speaking, reading, and writing course designed to provide additional preparation for upper-division French courses. Prerequisite: French 611C with a grade of at least C. Class meets May 26-July 10. Faculty-led Abroad Pro-
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<th>Course</th>
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<th>Instructor</th>
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<tr>
<td>ITL n601C</td>
<td>BEGINNING ITALIAN</td>
<td>fee: $148.32</td>
<td>An intensive beginning course with an emphasis on basic skills: listening, speaking, reading, and writing. Does not meet the prerequisite requirements for Italian 506 or 606. Only one of the following may be counted: Italian 601C, 604, 506.</td>
<td>83355 MTWTH 330 - 1100 WEL 3.266 RABATIN, M</td>
<td>506 - 1000 WEL 3.266</td>
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<tr>
<td>ITL n611C</td>
<td>INTERMEDIATE ITALIAN</td>
<td>fee: $148.32</td>
<td>An intensive intermediate course with an emphasis on basic skills: listening, speaking, reading, and writing. Prerequisite: Italian 601C, 604, 506. Only one of the following may be counted: Italian 611C, 612, 312L.</td>
<td>83360 MTWTH 100 - 330P MEZ 2.122 F 100 - 200P MEZ 2.122</td>
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<tr>
<td>ITL f328</td>
<td>COMPOSITION &amp; CONVERSATION-ITA</td>
<td>fee: $76.16</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Focuses on idioms, grammar, syntax, and style. Prerequisite: Italian 611C, 612, or 312L with a grade of at least C. Class meets May 29 - July 9. Faculty-led Abroad Program taught in Rome, Italy. Students must consult with department to arrange travel and orientation dates may be in addition to these dates.</td>
<td>83385 OLSON, A</td>
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<tr>
<td>ITL w698A</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Italian and consent of the graduate adviser; for 698B, Italian 698A.</td>
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<tr>
<td>ITL w698B</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Italian and consent of the graduate adviser; for 698B, Italian 698A.</td>
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<tr>
<td>ITL w399R</td>
<td>MASTER'S REPORT</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Graduate standing in Italian and consent of the graduate adviser.</td>
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<td>ITL w399R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral program.</td>
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<tr>
<td>ITL w699R</td>
<td>DISSERTATION</td>
<td>fee: $43.26</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral program.</td>
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<td>ITL w999R</td>
<td>DISSERTATION</td>
<td>fee: $64.89</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral program.</td>
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<td>ITL w399W</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Italian 399R, 699R, or 999R.</td>
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<tr>
<td>ITL w699W</td>
<td>DISSERTATION</td>
<td>fee: $43.26</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Italian 399R, 699R, or 999R.</td>
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<tr>
<td>ITL w999W</td>
<td>DISSERTATION</td>
<td>fee: $64.89</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Italian 399R, 699R, or 999R.</td>
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<tr>
<td>ITL s365</td>
<td>CONF CRS IN ITALIAN LANG &amp; LIT</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Course content varies according to needs of students; designed to fill in gaps and give students a good overall picture of the development of Italian literature. Prerequisite: Upper-division standing and consent of the undergraduates adviser or the chair. Italian majors may take conference courses only in exceptional cases.</td>
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<tr>
<td>ITL s385L</td>
<td>CONF CRS IN ITALIAN LANG &amp; LIT</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only.</td>
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<tr>
<td>ITC f349</td>
<td>ROMAN ART AND ARCHITECTURE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Prerequisite: Upper-division standing. Classroom meets May 29 - July 9. Faculty-led Abroad Program taught in Rome, Italy. Students must consult with department to travel and orientation dates may be in addition to these dates.</td>
<td>83475 CARTER, D</td>
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**DEPARTMENT OF GEOGRAPHY AND THE ENVIRONMENT**

**Geography - GRG**

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<th>Course</th>
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<tr>
<td>GRG f310C</td>
<td>SPATIAL DATA AND ANALYSIS</td>
<td>fee: $74.16</td>
<td>Fundamental concepts in spatial data acquisition, analysis, and presentation, with emphasis on the needs of professionals in cartography, geographic information systems (GIS), and remote sensing.</td>
<td>83350 MTWTHF 1130 - 100P CLA 1.402</td>
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<tr>
<td>GRG f356T</td>
<td>CLIM CHG/VEGTN: KALAHARI-BWA</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Varies with the topic and is given in the Course Schedule. Topic title: Climate change and vegetation response in the Kalahari. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets May 27 - July 9. Faculty-led Abroad Program taught in Ghanzi, Botswana. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates.</td>
<td>83355 MEYER, T</td>
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<tr>
<td>GRG w679HA</td>
<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Regular conferences with the faculty supervisor are also required. For honors candidates in geography. Prerequisite: For 679HA, admission to the Geography Honors Program No later than two semesters before expected graduation; for 679HB, Geography 679HA. A University grade point average of at least 3.00 and a grade point average in geography of at least 3.50 are required for admission to the Geography Honors Program.</td>
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<tr>
<td>GRG w679HB</td>
<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Regular conferences with the faculty supervisor are also required. For honors candidates in geography. Prerequisite: For 679HA, admission to the Geography Honors Program No later than two semesters before expected graduation; for 679HB, Geography 679HA. A University grade point average of at least 3.00 and a grade point average in geography of at least 3.50 are required for admission to the Geography Honors Program.</td>
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<tr>
<td>GRG f379K</td>
<td>CONFERENCE COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in geography. Prerequisite: Six semester hours of upper-division coursework in one or more of the social, geological, or natural sciences; and consent of instructor.</td>
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<tr>
<td>GRG w379K</td>
<td>CONFERENCE COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. May be repeated for credit. Supervised individual study of selected problems in geography. Prerequisite: Six semester hours of upper-division coursework in one or more of the social, geological, or natural sciences; and consent of instructor.</td>
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<tr>
<td>GRG f397</td>
<td>CONFERENCE COURSE IN GEOGRAPHY</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. May be repeated for credit. Supervised study and research. Prerequisite: Graduate standing and consent of supervising professor.</td>
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<tr>
<td>GRG w397</td>
<td>CONFERENCE COURSE IN GEOGRAPHY</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised study and research. Prerequisite: Graduate standing and consent of supervising professor.</td>
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<td>GRG w698A</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in geography and consent of the graduate adviser; for 698B, Geography 698A.</td>
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<tr>
<td>GRG w698B</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in geography and consent of the graduate adviser; for 698B, Geography 698A.</td>
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<tr>
<td>URB w379</td>
<td>CONFERENCE COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Supervised individual study of selected problems in urban studies. Prerequisite: Upper-division standing and consent of instructor and the undergraduate adviser.</td>
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<td>URB w679HA</td>
<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Directed reading and research or creation of an honors project, followed by the writing of a thesis. Prerequisite: For 679HA, admission to the Urban Studies Honors Program and consent of the urban studies adviser; for 679HB, Urban Studies 679HA.</td>
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<tr>
<td>URB w679HB</td>
<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Directed reading and research or creation of an honors project, followed by the writing of a thesis. Prerequisite: For 679HA, admission to the Urban Studies Honors Program and consent of the urban studies adviser; for 679HB, Urban Studies 679HA.</td>
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<tr>
<td>URB s351</td>
<td>1-DEV PROBS/POLS IN LATIN AMER</td>
<td>fee: $74.16</td>
<td>Course number may be repeated for credit when the topics vary. Urban economics and the application of economic analysis to urban concerns, including economic development, urbanization, urban form, public finance, and competition. Description of the Latin American economy; business and market organization; problem of growth (including credit, public finance, trade, investment aspects). Prerequisite: Varies with the topic and is given in the Course Schedule.</td>
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<td>URB s354</td>
<td>URBAN CULTURES</td>
<td>fee: $74.16</td>
<td>Course number may be repeated for credit when the topics vary. Topics on the social and cultural diversity within cities; social policies; and the sociocultural impact of the media and other institutions on urban development. Some topics partially fulfill legislative requirement for American history. Prerequisite: Varies with the topic and is given in the Course Schedule. Topic description: The culture of cities, including the distinctive forms of expressive culture, ethnic and racial conflict, and political or economic activity that cities generate. Prerequisite: Upper-division standing involving credit, public finance, trade, investment aspects.</td>
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<td>GER f506</td>
<td>FIRST-YEAR GERMAN I</td>
<td>fee: $125.60</td>
<td>Basic training in grammatical patterns and usage of modern German. Only one of the following may be counted: German 601C, 604, 506.</td>
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<td>German - GER</td>
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<tr>
<td>URW w370</td>
<td>SENIOR PROJECT</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Students identify an urban issue, develop a position paper, and work closely with a faculty adviser on a project. Students may use text or other media (such as video or portfolio) to present their arguments. Prerequisite: Upper-division standing, same as SOC 325L.</td>
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<tr>
<td>URW f379</td>
<td>CONFERENCE COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Supervised individual study of selected problems in urban studies. Prerequisite: Upper-division standing and consent of instructor and the undergraduate adviser.</td>
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Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**GER w999R**

Dissertation  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**GER w399W**

Dissertation  
Offered on the credit/no credit basis only. Prerequisite: German 399R, 699R, or 999R.

**GER w699W**

Dissertation  
Offered on the credit/no credit basis only. Prerequisite: German 699R, 999R, or 999R.

**GER s507**

First-Year German II  
Advanced training in grammatical patterns and usage of modern German. Only one of the following may be counted: German 601C, 604, 507, 507R, 508K. Prerequisite: German 500 with a grade of at least C.

**GER s679HB**

Honors Tutorial Course  
Offered on the credit/no credit basis only. Prerequisite: German 506 with a grade of at least C, a grade point average in German of at least 3.50, and admission to the Germanic Studies Honors Program; for 679HA, upper-division standing, six semester hours of upper-division German, a University grade point average of at least 3.00, a grade point average in German of at least 3.50, and admission to the Germanic Studies Honors Program; for 679HB, German 679HA.

**GER w185**

Conf Crs in German Lang or Lit  
Offered on the credit/no credit basis only. Prerequisite: Upper-division standing, six semester hours of upper-division coursework in German.

**GER w385**

Conf Crs in German Lang or Lit  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**GER w999W**

Dissertation  
Offered on the credit/no credit basis only. Prerequisite: German 999R, 999R, or 999R.

**GER s379**

Conf Crs in German Lang or Lit  
Offered on the credit/no credit basis only. Prerequisite: Upper-division standing, six semester hours of upper-division coursework in German.

**GER w030C**

Adv Conversat & Comp: Cul-Ger  
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

**GSD s211C**

Movies Go to War  
A comparison of films from various nations about major twentieth century wars to the historical facts of the conflicts as practicums in critical comparative analysis of histories as representations. Only one of the following may be counted: American Studies 313 (Topic: Movies Go to War, World War I to Vietnam), 315C, Comparative Literature 305 (Topic: Modern Literature), 305 (Topic 3), European Studies 307 (Topic: Movies Go to War, World War I to Vietnam), 307 (Topic 4), German, Scandinavian, and Dutch Studies 311C, German Civilization 311 (Topic 1), 315 (Topic 5), 315 (Topic 6), 315 (Topic 7), and Dutch Studies 321W and German Civilizations 327E (Topic 7: German Cultural History) may not both be counted. Restricted to students enrolled in the University of Wuerzburg Summer Program. Restricted to students in the University of Wuerzburg Summer Program. Class meets May 22–July 31, Faculty-led Abroad Program taught in Wuerzburg, Germany. Students must consult with department as travel and orientational dates may be in addition to these dates.

**GSD s331C**

Films of Ingmar Bergman  
An introduction to the films of Ingmar Bergman. Only one of the following may be counted: Comparative Literature 323 (Topic: Films of Ingmar Bergman), 323 (Topic 11), English 322 (Topic 18), European Studies 347 (Topic: Films of Ingmar Bergman), 347 (Topic 13), German, Scandinavian, and Dutch Studies 331C, Scandinavian 327 (Topic 9), Prerequisite: Upper-division standing, same as C 323 (Topic 11), EUS 347 (Topic 13).

**GDS 8310L**

American Government  
A basic survey of American government, including fundamental political institutions, federal, state, and local; special attention to the United States and Texas Constitutions. Part of a six-semester-hour integrated sequence, the second half of which is
Government 312L. Fulfills first half of legislative requirement for government. Prerequisite: Twelve semester hours of college coursework.

- 84025 MTWTHF 830 - 1000 CLA 0.130
- 84030 MTWTHF 1130 - 100P MEZ 1.306

GOV F312L

ISSUES & POLICIES IN AMER GOV

Offered on the letter-grade basis only. Analysis of varying topics concerned with American political institutions and policies, including the United States Constitution. Fulfills second half of legislative requirement for government. May be taken for credit only once. Prerequisite: Twenty-four semester hours of college coursework, including Government 310L, and a passing score on the reading section of the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test).

- 84035 MTWTHF 1130 - 100P WAG 420

ISSUES & POLICIES IN AMER GOV

Offered on the letter-grade basis only. Analysis of varying topics concerned with American political institutions and policies, including the United States Constitution. Fulfills second half of legislative requirement for government. May be taken for credit only once. Prerequisite: Twenty-four semester hours of college coursework, including Government 310L, and a passing score on the reading section of the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test). Topic: American Foreign Policy. Designed to accommodate 800 or more students. Course meets online during scheduled class times and includes a live-streaming video component. Students are encouraged to visit http://www.laits.utexas.edu/tower/gov312L to test their computer and network connection and learn about the course structure.

- 84040 MTWTHF 1000 - 1130 MOSER, R

GOV F344L

INTRO TO COMPARATIVE POLITICS

Introducory survey of basic concepts, perspectives, approaches, and trends in comparative politics, with emphasis on the formal-legal, group, class, elite, political culture, structural-functional, and systems approaches. Prerequisite: Six semester hours of lower-division coursework in government.

- 84045 MTWTHF 1130 - 100P MEZ 0.306 MOSER, M

GOV F365N

CONTEMP POLITICS IN MID EAST

Course number may be repeated for credit when the topics vary. Analysis of varying topics in the comparative study of political processes. Prerequisite: Varies with the topic. Meets with MES 341.

- 84050 MTWTHF 1130 - 100P PAR 1 TAFOLAR, M

13-POLITICS OF NEW DEMOCRACIES

Course number may be repeated for credit when the topics vary. Analysis of varying topics in the comparative study of political processes. Examination of the process of democratization and factors related to its success. Only one of the following may be counted: Government 365N (Topic 13), Latin American Studies 337M (Topic: Politics of New Democracies), 337M (Topic 15), Russian, East European, and Eurasian Studies 335 (Topic: Politics of New Democracies), 335 (Topic 12). Prerequisite: Varies with the topic. Prerequisite: For government majors, six semester hours of lower-division coursework in government; for others, upper-division standing, same as LAS 337M (Topic 15), REE 335 (Topic 22).

- 84055 MTWTHF 1000 - 1130 MEZ 0.306 GOODNOW, R

15-SUICIDE TERRORISM

Course number may be repeated for credit when the topics vary. Analysis of varying topics in the comparative study of political processes. Studies the causes of suicide terrorism at elite, community, and rank-and-file levels. Only one of the following may be counted: Government 365N (Topic: Suicide Terrorism), 365N (Topic 15), Islamic Studies 372 (Topic: Suicide Terrorism), Middle Eastern Studies 322K (Topic: Suicide Terrorism), 341 (Topic: Suicide Tempstms). Prerequisite: Varies with the topic. Meets with MES 341.

- 84060 MTWTHF 830 - 1000 MEZ 0.306 MARTIN, N

GOV w679HB

HONORS TUTORIAL COURSE

Fee: $74.16

Hour(s) to be arranged. Restrained enrollment; contact the department for permission to register for this class. Leads and supervised individual research and the writing of a substantial paper on a specific topic in the field of government. No grade is awarded until the student has completed the two-semester sequence. Prerequisite: For 679HA, upper-division standing, admission to the Government Honors Program, and written consent of the Government Honors Program Advisor; for 879HB, Government 879HA.

- 84065

GOV F397K

CONF CRS IN POLITICAL SCIENCE

Hour(s) to be arranged. May be repeated for credit. Readings in the literature of political science in fields in which the student is preparing for the qualifying examinations for the Doctor of Philosophy. Prerequisite: Graduate standing, twenty-four semester hours of coursework in government or related fields, and consent of the graduate advisor.

- 84070

GOV w397K

CONF CRS IN POLITICAL SCIENCE

Hour(s) to be arranged. May be repeated for credit. Readings in the literature of political science in fields in which the student is preparing for the qualifying examinations for the Doctor of Philosophy. Prerequisite: Graduate standing, twenty-four semester hours of coursework in government or related fields, and consent of the graduate advisor.

- 84075

GOV w698A

THESIS

Fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in government, twelve semester-hours of upper-division or graduate coursework in government, six of which must be in the field of the thesis subject, and consent of the graduate adviser; for 698B, Government 698A.

- 84080

GOV w698B

THESIS

Fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in government, twelve semester-hours of upper-division or graduate coursework in government, six of which must be in the field of the thesis subject, and consent of the graduate adviser; for 698B, Government 698A.

- 84085

GOV w399R

MASTER'S REPORT

Fee: $21.63

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in government and consent of the graduate adviser.

- 84090

GOV w699R

DISSERTATION

Fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 84100

GOV w699W

DISSERTATION

Fee: $54.89

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 84105

GOV w399W

DISSERTATION

Fee: $43.26

Offered on the credit/no credit basis only. Prerequisite: Government 399R, 699R, or 999R.

- 84110

GOV w699W

DISSERTATION

Fee: $54.89

Offered on the credit/no credit basis only. Prerequisite: Government 399R, 699R, or 999R.

- 84120

GOV s310L

AMERICAN GOVERNMENT

Fee: $74.16

A basic survey of American government, including fundamental political institutions, federal, state, and local, special attention to the United States and Texas Constitutions. Part of a six-semester-hour integrated sequence, the second half of which is Government 312L. Fulfills first half of legislative requirement for government. Prerequisite: Twelve semester hours of college coursework.

- 84125 MTWTHF 1000 - 1130 CLA 0.130

GOV s312L

ISSUES & POLICIES IN AMER GOV

Fee: $74.16

Offered on the letter-grade basis only. Analysis of varying topics concerned with American political institutions and policies, including the United States Constitution. Fulfills second half of legislative requirement for government. May be taken for credit only once. Prerequisite: Twenty-four semester hours of college coursework, including Government 310L, and a passing score on the reading section of the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test).

- 84130 MTWTHF 1000 - 1130 MEZ 1.306

GOV s314

3-INTRO M EAST: ADJ/CHG MOD TM

Fee: $74.16

Course number may be repeated for credit when the topics vary. Introduction to varying topics in government and politics. The responses of the societies of the Middle East and North Africa (Turkey, Iran, Afghanistan, Israel, and the Arab world) to Western cultural and political challenges, primarily since about 1800. Does not fulfill any part of the legislative requirement for government. same as HIS 306N (TOPIC 5), MES 301L.

- 84135 MTWTHF 1100 - 1100 WAG 101 BAGHERI, G

GOV s335M

GLOBAL JUSTICE

Fee: $74.16

Course number may be repeated for credit when the topics vary. Intensive examination of selected issues in political thought. Prerequisite: Upper-division standing and six semester hours of lower-division coursework in government.

- 84140 MTWTHF 830 - 1000 MEZ 2.124 GREGG, B

GOV s335N

7-SOUTHERN POLITICAL HISTORY

Fee: $74.16

Course number may be repeated for credit when the topics vary. Analysis of varying topics in the study of American state government and politics. Covers the colonial period to the present and includes topics such as progressive nationalism, defensive sectionalism, reconstruction, the civil rights movement, and partisan realignment. Government 335N (Topic 1) and 335N (Topic: Texas and the New Southern Politics) may not both be counted. Prerequisite: Six semester hours of lower-division coursework in government.

- 84145 MTWTHF 100 - 230P GAR 1.126 ENELLOW, J
HIS f365K  MAIN CURR AMER CUL SINCE 1865  fee: $74.16
Traces the development of American culture and society from the end of the Civil War to the present. Major themes include racial conflict, pluralism, religion, urban development and reform, modernism, government centralization, cultural radicalism, and the rebirth of conservatism. Partially fulfills legislative requirement for American history. Prerequisite: Upper-division standing. same as AMS 355.
• 84250 MTWTHF 1000 - 1130 BUR 130 VAUGHT, J

HIS f364G 6-APARTHEID: SOUTH AFR HIST  fee: $74.16
Course number may be repeated for credit when the topics vary. A study of the social, political, economic, and cultural history of South Africa to contextualize the rise of apartheid. Primarily focuses on the period since 1948 from the perspectives of women, children, and men of all racial backgrounds who lived through that particular period. Only one of the following may be counted: African and African Diaspora Studies 374C (Topic: Apartheid and Resistance in South Africa), 374C (Topic: Apartheid: South African History), 374C (Topic: History, 364G (Topic: Apartheid: South African History), 364G (Topic: Apartheid: South African History), 364G (Topic: Apartheid and Resistance in South Africa), 364G (Topic: Women's and Gender Studies 340 (Topic: Apartheid: South African History), 340 (Topic 42), Prerequisite: Upper-division standing same as AFR 374C (TOPIC 6), WGS 340 (TOPIC 42).
• 84255 MTWTHF 1000 - 1130 GAR 3.116 CHARUMBIRA, R

HIS f356G 10-20TH-CEN US LESBIANGAY HIS  fee: $74.16
Course number may be repeated for credit when the topics vary. Partially fulfills legislative requirement for American history. Only one of the following may be counted: American Studies 370 (Topic: United States Lesbian and Gay History, Twentieth Century), 370 (Topic 49), 365G (Topic: United States Lesbian and Gay History, Twentieth Century), 365G (Topic 10), Women's and Gender Studies 335 (Topic 18), 340 (United States Lesbian and Gay History, Twentieth Century). Partially fulfills legislative requirement for American History. Prerequisite: Upper-division standing. same as AMS 370 (TOPIC 49), WGS 335 (TOPIC 18).
• 84260 MTWTHF 1000 - 1130 GDC 2.502 MARCHIONE, M

HIS f366N WORLDS OF HIP HOP  fee: $74.16
Course number may be repeated for credit when the topics vary. Some sections are offered on the letter-grade basis only. Prerequisite: Upper-division standing, meets with AFR 372E.
• 84263 MTWTHF 1130 - 100P GWB 1.130 MAKALANI, M

HIS w391C CONFERENCE COURSE  fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Designed to expand the graduate student's opportunity for individual consultation. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.
• 84283

HIS w393L QUALIFYING EXAMINATION  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Preparation for qualifying examinations. Prerequisite: Graduate standing and consent of the graduate adviser.
• 84270

HIS w698A THESIS  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. For 698A, graduate standing in history and consent of the graduate adviser; for 698B, History 698A.
• 84275

HIS w698B THESIS  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. For 698A, graduate standing in history and consent of the graduate adviser; for 698B, History 698A.
• 84280

HIS w398R MASTER'S REPORT  fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in history and consent of the graduate adviser.
• 84285

HIS w399R DISSERTATION  fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 84290

HIS w699R DISSERTATION  fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 84310

HIS n350R COLD WAR IN THE 1860S  fee: $74.16
Course number may be repeated for credit when the topics vary. Lectures, discussion, reading, and research on selected topics in the field of United States History. History 350L and 350R may not both be counted unless the topics vary. Partially fulfills legislative requirement for American History. Prerequisite: Upper-division standing and six semester hours of coursework in history.
• 84245 MTWTH 100 - 230P GAR 1.122 MILLER, A
HIS s306N 5-INTRO M EAST: ADJUDGE MOD TM  
Offered for the credit/no credit basis only. Prerequisite: History 399R, 699R, or 999R.  
• 84315

HIS s315G INTRO TO AMERICAN STUDIES  
An interdisciplinary introduction to the historical exploration of American culture. Only one of the following may be counted: American Studies 310, History 306N (Topic 2: Introduction to American Studies), 315G. Partially fulfills legislative requirement for American history.  
• 84320  MTWTHF 1130 - 100P WAG 101 BAGHERI, G

HIS s315K THE UNITED STATES, 1492-1865  
Survey of United States history from the colonial period through the Civil War. Partially fulfills legislative requirement for American history.  
• 84330  MTWTHF 1000 - 1130 WEL 2.308 ERTNST, C

HIS s315L THE UNITED STATES SINCE 1865  
Survey of United States history since the Civil War. Partially fulfills legislative requirement for American history.  
• 84335  MTWTHF 1000 - 230P WAG 214

HIS s317L 4-INTRO TO ASIAN AMERICAN HIST  
Course number may be repeated for credit when the topics vary. Introduces students to the national and transnational histories of Asian Americans in the United States. Explores a wide range of themes related to the Asian American experience. Partially fulfills legislative requirement for American history. American Studies 312 and History 317L (Topic 4) may not both be counted. Partially fulfills legislative requirement for American history; same as AMS 312.  
• 84338  MTWTHF 1130 - 100P GAR 1.126 HAMILTON, P

HIS s322M HISTORY OF MODERN SCIENCE  
The history of science and its place in society from the time of Newton to the present. Prerequisite: Upper-division standing.  
• 84340  MTWTHF 1000 - 230P WRW 113 HERD, V

HIS s340M MODERN CHINA  
History of China from the intrusion of the West circa 1500 to the Communist revolution. Prerequisite: Upper-division standing, same as AMS 404M.  
• 84345  MTWTHF 230 - 400P GAR 1.126 LI, H

HIS s362G ISLAM IN SOUTHEASTERN EUROPE  
Course number may be repeated for credit when the topics vary. Prerequisite: Upper-division standing; meets with REE 335, J S 364, EUS 346, R S 357.  
• 84347  MTWTHF 1000 - 1130 PAR 310 CELIK, M

3-INTRO TO THE HOLOCAUST  
Course number may be repeated for credit when the topics vary. Examines the mass killing of Jews and other victims in the context of Nazi Germany's quest for race and space during World War II. Only one of the following may be counted: European Studies 346 (Topic: Introduction to the Holocaust), 346 (Topic 17), History 362G (Topic: Introduction to the Holocaust), 362G (Topic 3); Jewish Studies 364 (Topic: Introduction to the Holocaust), 364 (Topic 6); Middle Eastern Studies 325 (Topic: Introduction to the Holocaust), 325 (Topic 3); Russian, East European, and Eurasian Studies 335 (Topic: Introduction to the Holocaust), 335 (Topic 17). Prerequisite: Upper-division standing, same as EUS 346 (Topic 17), J S 364 (Topic 6), REE 335 (Topic 17).  
• 84350  MTWTHF 1000 - 1130 CLA 1.108 LICHTENSTEIN, T

HIS s365G 10-20TH-CEN US LIBESGAY HIS  
Course number may be repeated for credit when the topics vary. Partially fulfills legislative requirement for American history. Only one of the following may be counted: American Studies 370 (Topic: United States Lesbian and Gay History, Twentieth Century), 370 (Topic 49); History 365G (Topic: United States Lesbian and Gay History, Twentieth Century), 365G (Topic 10); Women's and Gender Studies 335 (Topic 18), 340 (Topic: United States Lesbian and Gay History, Twentieth Century). Partially fulfills legislative requirement for American history. Prerequisite: Upper-division standing, same as AMS 370G (Topic 49); WGS 335 (Topic 18).  
• 84355  MTWTHF 1000 - 1130 CLA 0.120 MARCHIONE, M

HIS s372L PROSMNRR IN HIST SOURCE READING  
Hour(s) to be arranged. May be repeated for credit. Individual instruction in reading history and historiography. Prerequisite: Upper-division standing and written consent of instructor; consent forms are available in the departmental advising office.  
• 84360

HIS s372M PROSMNRR IN HISTORICAL WRITING  
Hour(s) to be arranged. May be repeated for credit. Individual instruction in historical research and writing. Prerequisite: Upper-division standing and written consent of instructor; consent forms are available in the departmental advising office.  
• 84365

HIS s382Q INTRO CONF CRS IN AFRICAN HIST  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84370

HIS s382R INTRO CONF CRS IN ASIAN HIST  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84375

HIS s382S INTRO CONF CRS MID EAST HIST  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84380

HIS s382T INTRO CONF CRS EUROPEAN HIST  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84385

HIS s382U INTRO CONF COURSE IN AMER HIST  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84390

HIS s391C CONFERENCE COURSE  
Hour(s) to be arranged. May be repeated for credit. Designed to expand the graduate student's opportunity for individual consultation. Prerequisite: Graduate standing and written consent of instructor; consent forms are available in the departmental graduate advising office.  
• 84400

HIS s393L QUALIFYING EXAMINATION  
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Preparation for qualifying examinations. Prerequisite: Graduate standing and consent of the graduate adviser.  
• 84405

HUMAN DIMENSIONS OF ORGANIZATIONS

Human Dimensions of Organizations - HDO

HDO w386 PERSUASION AND ARGUMENTATION  
Additional hour(s) to be arranged. Offered on the letter-grade basis only. Focuses on how effective persuasion works within organizations and at the individual level. Restricted to students in the human dimensions of organizations degree program. Prerequisite: Graduate standing and consent of instructor. Class meets 9-11:30am Monday, June 1, 8am-4:30pm Tuesday, June 2, and 8am-12pm Friday, June 5 in CLA 1.302D; Saturdays, June 20, 27; July 11, 25, and August 1, 15.  
• 84460  F  800 - 1200 CLA 2.606 SPINUZZI, C

HDO w287 STRUCTURE OF ORGANIZATIONS  
Offered on the letter-grade basis only. A multidisciplinary approach to understanding how money, information, and influence flow through organizations and between related organizations. Restricted to students in the human dimensions of organizations degree program. Prerequisite: Graduate standing and consent of instructor. Class meets 1:30pm Monday, June 1, and 8am-4:30pm Wednesday, June 3 in CLA 1.302D; Fridays, June 19, 26; July 10, 24, 31; and August 15.  
• 84465  F  500 - 700P CLA 2.606 STRONG, P

HDO w292 COMPUTATIONAL METHODS  
Offered on the letter-grade basis only. Analyzing and interpreting data drawn from large-scale data sets. Approaches include social network analysis, web analytics, and linguistic corpus analysis. Restricted to students in the human dimensions of organizations degree program. Prerequisite: Graduate standing and consent of instructor. Class meets 3:30-5:30pm Monday, June 1, and 8am-4:30pm Thursday, June 4 in CLA 1.302D; Saturdays, June 20, 27; July 11, 25; and August 1, 15.  
• 84470  S  800 - 1300 CLA 2.606 TERTOOP, F

THE HUMANITIES PROGRAM

Humanities - HMN

HMN w358Q SUPERVISED RESEARCH  
Hour(s) to be arranged. May be repeated for credit. Prerequisite: Consent of the humanities adviser.  
• 84525

HMN w370 SENIOR TUTORIAL COURSE  
Hour(s) to be arranged. A tutorial program of supervised reading and writing, including an individual paper or papers in which the student draws together the central directions and discoveries of his or her studies in the humanities. Humanities 370 and 679SB may not both be counted. Prerequisite: Consent of the humanities adviser.  
• 84530
INTERNATIONAL RELATIONS AND GLOBAL STUDIES

International Relations and Global Studies - IRG

IRG 301 INTRO INTL REL'S & GLOBAL STDS
 Introduction to the areas related to international relations.
  • 84600 MTWTHF 1000 - 1130 PAR 1 HOLMSTEN, S

SCHUSTERMAN CENTER FOR JEWISH STUDIES

Jewish Studies - JS

JS s362 INDEP RISCH IN JEWISH STUDIES
 Hour(s) to be arranged. May be repeated for credit. Tutorially directed research in Jewish studies. Prerequisite: Upper-division standing and consent of instructor.
  • 84655

JS s363 WRITER WITHIN
 Course number may be repeated for credit when the topics vary. Jewish Studies 361 and 363 may not both be counted unless the topics vary. Some sections are offered on the letter-grade basis only. Prerequisite: Varies with the topic. meets with CRW 325, C L 323.
  • 84680 MTWTHF 230 - 400P CLA 0.120 GAFALA, O

JS s364 ISLAM IN SOUTHEASTERN EUROPE
 Course number may be repeated for credit when the topics vary. Some topics partially fulfill legislative requirement for American history. Some sections are offered on the letter-grade basis only. Prerequisite: Varies with the topic. meets with REE 335, R S 357, EUS 346, HIS 362G.
  • 84685 MTWTHF 1000 - 1130 PAR 310 CELIK, M

6-INTRO TO THE HOLOCAUST
 Course number may be repeated for credit when the topics vary. Examines the mass killing of Jews and other victims in the context of Nazi Germany's quest for race and space during World War II. Some topics partially fulfill legislative requirement for American history. Some sections are offered on the letter-grade basis only. Only one of the following may be counted: European Studies 346 (Topic: Introduction to the Holocaust), 346 (Topic 17), History 362G (Topic: Introduction to the Holocaust), 362G (Topic 3), Jewish Studies 364 (Topic: Introduction to the Holocaust), 364 (Topic 6), Middle Eastern Studies 325 (Topic: Introduction to the Holocaust), Russian, East European, and Eurasian Studies 335 (Topic: Introduction to the Holocaust), 335 (Topic 17), Prerequisite: Varies with the topic. same as EUS 346 (TOPIC 17), HIS 362G (TOPIC 3), REE 335 (TOPIC 17).
  • 84697 MTWTHF 1000 - 1130 CLA 1.108 LICHTENSTEIN, T

JS s679HA HONORS TUTORIAL COURSE
 Hour(s) to be arranged. Supervised individual reading and research for one semester, followed bywriting a habilitarian thesis during the second semester. Restricted to Jewish studies majors. Prerequisite: For 679HA, admission to the Jewish Studies Honors Program; for 679HB, Jewish Studies 679HA.
  • 84675

JS s679HB HONORS TUTORIAL COURSE
 Hour(s) to be arranged. Supervised individual reading and research for one semester, followed bywriting a substantial honors thesis during the second semester. Restricted to Jewish studies majors. Prerequisite: For 679HA, admission to the Jewish Studies Honors Program; for 679HB, Jewish Studies 679HA.
  • 84680

TERESA LOZANO LONG INSTITUTE OF LATIN AMERICAN STUDIES

Indigenous Languages of Latin America - LAL
Latin American Studies - LAS

LAS f322 EDUC/CULTURE/DIVERSITY-GUA
 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Latin American Studies 322 and 330 may not both be counted unless the topics vary; Latin American Studies 322 and 370P may not both be counted unless the topics vary; Latin American Studies 322 and 370S may not both be counted unless the topics vary. Prerequisite: Varies with the topic and is given in the Course Schedule. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets for 12 weeks. Faculty-led Abroad Program taught in Antigua, Guatemala. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. meets with ALD 327G.
  • 84735

LAS f324L 14-POLIT OF RACE/VIOLCN BRAZIL
 Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Prerequisite: Varies with the topic and is given in the Course Schedule.Prerequisite: Upper-division standing, same as ANT 324L (TOPIC 3), AFRI 374E (TOPIC 2).
  • 84740 MTWTHF 1130 - 100P SAC 4.118 SMITH, C

LAS n324L AFR DIASPORA IN AMER-BRA
 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Prerequisite: Varies with the topic and is given in the Course Schedule. Restricted enrollment; contact Study Abroad for permission to register for this class. Class meets for 12 weeks. Faculty-led Abroad Program taught in Rio De Janeiro, Brazil. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. meets with ANT 324L (TOPIC 9), AFRI 321.
  • 84745 VARGAS, J

LAS f337M 15-POLITICS OF NEW DEMOCRACIES
 Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Examination of the process of democratization and factors related to its success. Only one of the following may be counted: Government 365N (Topic 13), Latin American Studies 337M (Topic: Politics of New Democracies), 337M (Topic 15), Russian, East European, and Eurasian Studies 335 (Topic: Politics of New Democracies), 335 (Topic 22), Prerequisite: Varies with the topic and is given in the Course Schedule.Additional prerequisite: For government majors, six semester hours of lower-division coursework in government; for others, upper-division standing. same as GOV 365N (TOPIC 13), REE 335 (TOPIC 22).
  • 84750 MTWTHF 1000 - 1130 MEZ B0.306 GOODNOW, R

LAS f370P LUSO-BRAZILIAN CIVIL & CULT-BRA
 Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Taught in Portuguese. Latin American Studies 322 and 370P may not both be counted unless the topics vary. Prerequisite: Portuguese 611D, 611S, 612, 312L, or 516; additional prerequisites vary with the topic. Topic title: Luso-Brazilian Civilization and Culture. Restricted enrollment; contact Study Abroad Program taught in Salvador-BA, Brazil. Students must consult with Study Abroad Program Coordinator as travel and orientation dates may be in addition to these dates. meets with POR 341.
  • 84755 ARROYO MARTINEZ, J

LAS g92 CONF CRS IN LATIN AMER STUDIES
 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual study is to be arranged with a faculty member. Prerequisite: Graduate standing and consent of instructor and the graduate advisor.
  • 84760

LAS w698A THESIS
 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Latin American studies and consent of the supervising professor and the graduate advisor; for 698B,Latin American Studies 698A.
  • 84765

LAS w698B THESIS
 Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Latin American studies and consent of the supervising professor and the graduate advisor; for 698B,Latin American Studies 698A.
  • 84770

LAS w698R MASTER'S REPORT
 Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in Latin American studies and consent of the supervising professor and the graduate advisor.
  • 84775

LAS w399R DISSERTATION
 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
  • 84780

LAS w699R DISSERTATION
 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
  • 84785
LAS w999R DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 84790

LAS w399W DISSERTATION fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Latin American Studies 399R, 699R, or 999R.
• 84795

LAS w699W DISSERTATION fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Latin American Studies 399R, 699R, or 999R.
• 84800

LAS w999W DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Prerequisite: Latin American Studies 399R, 699R, or 999R.
• 84805

LAS s322 ACQUIS OF LANG & LITERACY-GUA Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Latin American Studies 322 and 330 may not both be counted unless the topics vary; Latin American Studies 322 and 370P may not both be counted unless the topics vary; Latin American Studies 322 and 370S may not both be counted unless the topics vary. Prerequisite: May be repeated for credit. Individual study to be arranged with a faculty member. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Latin American Studies 322 and 330 may not both be counted unless the topics vary; Latin American Studies 322 and 370P may not both be counted unless the topics vary. Prerequisite: May be repeated for credit. Individual study to be arranged with a faculty member. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

LAS s337N AFRO-CARIBBEAN POLIT/CUL-NIC fee: $74.16 Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this course. Exploration of black identity, political systems, and community activism in Central America and the Caribbean. Only one of the following may be counted: African and African Diaspora Studies 326, 374E (Topic: Afro-Caribbean Politics and Culture in Central America). Anthropology 324L (Topic: Afro-Caribbean Politics and Culture in Central America), 324L (Topic: Iberian and Latin American Literatures and Cultures in Central America), Latin American Studies 337M (Topic: Afro-Caribbean Politics and Culture in Central America), 337N, Women's and Gender Studies 340 (Topic: Afro-Caribbean Politics and Culture in Central America), 340 (Topic 38). Prerequisite: Upper-division standing. Class meets July 13-August 15. Faculty-led Abroad Program taught in Bluefields, Nicaragua. Students must consult department and travel orientation dates may be in addition to these dates. meets with ALD 329.
• 84810 PALMER, D

LAS s355 1-DEV PROB/PSPOL/S IN L ATIN AMER fee: $74.16 Course number may be repeated for credit when the topics vary. Topics vary each semester to allow curriculum flexibility for faculty members and visiting scholars. Description of the Latin American economy; business and market organization; problem of growth (involving credit, public finance, trade, investment aspects). Prerequisite: An introduction to Sign Language. Only one of the following may be counted: American Sign Language 306, 326, 326 with a grade of at least C.

LAS s370S 27-INTRO TO LITERATURES/CULS fee: $74.16 Course number may be repeated for credit when the topics vary. Taught in Spanish. Overview of Iberian and/or Latin American literatures and cultures, including the arts and popular expressions, from a multidisciplinary perspective. Among the regions studied are Spain, North, Central, and South America; the Caribbean; and related areas in Africa. Latin American Studies 322 and 370S may not both be counted unless the topics vary. Only one of the following may be counted: Latin American Studies 370S (Topic 27), Spanish 328, 328C. Only one of the following may be counted: Latin American Studies 370S (Topic 3), 370S (Topic 27), Spanish 328, 328C. Prerequisite: Spanish 611D, 612, or 312L, additional prerequisites vary with the topic. Additional prerequisite: Spanish 611D, 612, or 312L, same as SPN 328C.
• 84825 MTWTHF 1000 - 1130 CLA 1.104 IBARRA, A

LAS s379 CONF CRS IN LATIN AMER STUDIES fee: $74.16 Hour(s) to be arranged. May be repeated for credit. Supervised individual study of selected topics in Latin American studies. Prerequisite: Upper-division standing and consent of instructor and the undergraduate adviser in Latin American studies.
• 84830

LAS s679HA HONORS TUTORIAL COURSE fee: $74.16 Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. For honors candidates in Latin American studies. Prerequisite: For Latin American Studies 679HA, Latin American Studies 359H, admission to the Latin American Studies Honors Program, and written consent of the Latin American Studies Honors Program adviser; for Latin American Studies 679HB, Latin American Studies 679HA.

LAS s679HB HONORS TUTORIAL COURSE fee: $74.16 Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. For honors candidates in Latin American studies. Prerequisite: For Latin American Studies 679HA, Latin American Studies 359H, admission to the Latin American Studies Honors Program, and written consent of the Latin American Studies Honors Program adviser; for Latin American Studies 679HB, Latin American Studies 679HA.

LAS s382 CONF CRS IN LATIN AMER STUDIES fee: $21.63 Hour(s) to be arranged. May be repeated for credit. Individual study to be arranged with a faculty member. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.

DEPARTMENT OF LINGUISTICS

American Sign Language - ASL

LINGuistics - LIN

ASL 601D AMERICAN SIGN LANGUAGE I: BEG fee: $148.32 Offered on the letter-grade basis only. This course focuses on the development of beginner-level comprehension and production skills in American Sign Language. Students learn how to attend to visual language and use their hands and body for producing ASL constructions. Elementary vocabulary and grammar is covered, along with information about deaf culture. Only one of the following may be counted: American Sign Language 601C, 610D, 636. American Sign Language 601D and 507 may not both be counted.
• 84900 MTWTHF 900 - 1200 CLA 4.222 GEER, L

ASL 631D AMER SIGN LANG III: INTERMED fee: $74.16 Offered on the letter-grade basis only. Focuses on maintaining and building upon a student's intermediate ASL skills. Grammar coverage includes complex constructions that involve the signing space, and vocabulary building includes comparisons between English words and ASL signs in order for the learner to make appropriate vocabulary choices in their ASL production. Complex questions facing the contemporary deaf community are discussed, American Sign Language 311D and 312L may not both be counted. American Sign Language 611C and 311D may not both be counted. Prerequisite: American Sign Language 601C, 610D, or 312K with a grade of at least C.
• 84905 MTWTHF 1200 - 2300 CLA 4.222 WYNN, M

ASL 637F UNDERGRADUATE RESEARCH fee: $74.16 Offered on the pass/fail basis only. May be repeated for credit. Supervised research experience. Prerequisite: Upper-division standing and American Sign Language 508 with a grade of at least C.
• 84909

ASL 661D AMERICAN SIGN LANGUAGE II: BEG fee: $148.32 Offered on the letter-grade basis only. Focuses on the development of intermediate-level proficiency in ASL. An introduction to more complex grammatical constructions with the goal of engaging in conversations in ASL on a variety of topics. Examines the historical aspects of the deaf community and related themes. Only one of the following may be counted: American Sign Language 601D, 610C, 312K. American Sign Language 507 and 610D may not both be counted. Prerequisite: American Sign Language 610D or 507 with a grade of at least C.
• 84910 MTWTHF 900 - 1200 CLA 4.222 SIMMONS, D

LIN 036 INTRO TO THE STUDY OF LANGUAGE fee: $74.16 Survey of major areas of linguistics: sound systems, grammatical structures, historical development of languages, language families and linguistic universals, dialect differences and their social significance.
• 84965 MTWTHF 1130 - 100P CLA 0.104 JERRO, K

LIN 057 UNDERGRADUATE RESEARCH fee: $74.16 Hour(s) to be arranged. May be repeated for credit. Supervised research experience. Prerequisite: Upper-division standing and Linguistics 306 with a grade of at least C.
• 84970

LIN 058Q SUPERVISED RESEARCH fee: $74.16 Offered on the pass/fail basis only. May be repeated for credit. Supervised student-initiated research. Prerequisite: Upper-division standing and Linguistics 306 with a grade of at least C.
• 84903

LIN 072L SYNTAX/SEM: STRUC/Mean UtterNC fee: $74.16 Methods and principles of describing the syntactic systems of languages. Prerequisite: Upper-division standing and Linguistics 306.
• 84975 MTWTHF 1000 - 1130 CLA 0.104 STOUT, T

LIN 079 CONF COURSE IN LINGUISTICS fee: $74.16 May be repeated for credit. Supervised individual study of selected problems in linguistics. Prerequisite: Six semester hours of upper-division coursework in linguistics.
• 84978

LIN 095 CONF COURSE IN LINGUISTICS fee: $21.63 Hour(s) to be arranged. May be repeated for credit. Supervised research. Prerequisite: Graduate standing and consent of instructor and the linguistics graduate adviser.
• 84980
<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
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<tr>
<td>LIN w698A</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in linguistics and consent of the graduate adviser; for 698B, Linguistics 698A.</td>
<td>84989</td>
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<tr>
<td>LIN w698B</td>
<td>THESIS</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in linguistics and consent of the graduate adviser; for 698B, Linguistics 698A.</td>
<td>84990</td>
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<tr>
<td>LIN w398R</td>
<td>MASTER'S REPORT</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparatory to the requirement for the master's degree under the report option. Prerequisite: Graduate standing in linguistics and consent of the graduate adviser.</td>
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<td>LIN w399R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td>LIN w699R</td>
<td>DISSERTATION</td>
<td>fee: $43.26</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td>LIN w699R</td>
<td>DISSERTATION</td>
<td>fee: $64.89</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
<td>85030</td>
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<tr>
<td>LIN s306</td>
<td>INTRO TO THE STUDY OF LANGUAGE</td>
<td>fee: $74.16</td>
<td>Survey of major areas of linguistics: sound systems, grammatical structures, historical development of languages, language families and linguistic universals, dialect differences, and their social significance.</td>
<td>85030 MTWTHF 1100 - 1130 PAR 204 CHILDERS, Z</td>
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<tr>
<td>LIN s345</td>
<td>LANG CHANGE AND LANG VARIATION</td>
<td>fee: $74.16</td>
<td>Prerequisite: Linguistics 344K.</td>
<td>85030 MTWTHF 1000 - 1130 CLA 0.104 BERMUDEZ, N</td>
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<tr>
<td>LIN s350</td>
<td>CREOLE LANGS &amp; THEIR SPEAKERS</td>
<td>fee: $74.16</td>
<td>Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Nontechnical examination of social, educational, and political problems to which current linguistic knowledge is relevant. Prerequisite: Varies with the topic and is given in the Course Schedule. Prerequisite: Nine semester hours of coursework in English or rhetoric and writing, meets with E 364D, AFR 372G.</td>
<td>85040 MTWTHF 1000 - 1130 PAR 204 HANCOCK, C</td>
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<tr>
<td>LIN s357</td>
<td>UNDERGRADUATE RESEARCH</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Supervised research experience. Prerequisite: Upper-division standing and Linguistics 306 with a grade of at least C-.</td>
<td>85055</td>
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<td>LIN s358Q</td>
<td>SUPERVISED RESEARCH</td>
<td>fee: $74.16</td>
<td>Offered on the pass/fail basis only. May be repeated for credit. Supervised student-initiated research. Prerequisite: Upper-division standing and Linguistics 306 with a grade of at least C-.</td>
<td>85045</td>
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<tr>
<td>LIN s379</td>
<td>CONF COURSE IN LINGUISTICS</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in linguistics. Prerequisite: Six semester hours of upper-division coursework in linguistics.</td>
<td>85050</td>
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<tr>
<td>LIN s679HB</td>
<td>HONORS TUTORIAL COURSE</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. May be repeated for credit. Supervised individual reading for one semester. Followed by research writing to produce a substantial paper. Prerequisite: For 679HA, admission to the Linguistics Honors Program; for 679HB, Linguistics 679HA.</td>
<td>85055</td>
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<td>LIN s395</td>
<td>CONF COURSE IN LINGUISTICS</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. May be repeated for credit. Supervised research. Prerequisite: Graduate standing and consent of instructor and the linguistics graduate adviser.</td>
<td>85060</td>
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### MEDIEVAL STUDIES

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<th>Course</th>
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<th>Days</th>
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<td>MEDIEVAL STUDIES</td>
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<tr>
<td>MDV w399R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.</td>
<td>85115</td>
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<tr>
<td>MDV w699R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.</td>
<td>85120</td>
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<tr>
<td>MDV w999R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.</td>
<td>85130</td>
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<tr>
<td>MDV w999W</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Medieval Studies 399R, 699R, or 999R; and consent of the graduate adviser.</td>
<td>85140</td>
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<tr>
<td>MDV s385L</td>
<td>CONF COURSE ON SPECIAL TOPICS</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
<td>85145</td>
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### DEPARTMENT OF MIDDLE EASTERN STUDIES

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<tr>
<th>Course</th>
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<th>Days</th>
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<td>MDV w399R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.</td>
<td>85200</td>
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<td>MDV w699R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser.</td>
<td>85210</td>
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<td>MDV w999R</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Medieval Studies 399R, 699R, or 999R; and consent of the graduate adviser.</td>
<td>85220</td>
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<tr>
<td>MDV w999W</td>
<td>DISSERTATION</td>
<td>fee: $21.63</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Medieval Studies 399R, 699R, or 999R; and consent of the graduate adviser.</td>
<td>85230</td>
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<tr>
<td>MDV s385L</td>
<td>CONF COURSE ON SPECIAL TOPICS</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
<td>85240</td>
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### CENTER FOR MIDDLE EASTERN STUDIES

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<th>Course</th>
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<td>ARA 1389</td>
<td>CONF COURSE IN ARABIC STUDIES</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in Arabic studies. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.</td>
<td>85200</td>
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<tr>
<td>ARA 389</td>
<td>CONF COURSE IN ARABIC STUDIES</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in Arabic studies. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.</td>
<td>85205</td>
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<tr>
<td>HE8 389</td>
<td>CONF COURSE IN HEBREW STUDIES</td>
<td>fee: $21.63</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual study of selected problems in Hebrew studies. Prerequisite: Graduate standing and consent of instructor.</td>
<td>85210</td>
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<tr>
<td>ISL 389</td>
<td>CONF COURSE IN ISLAMIC STUDIES</td>
<td>fee: $74.16</td>
<td>Hour(s) to be arranged. May be repeated for credit. Supervised individual study of selected problems in Islamic studies. Prerequisite: Upper-division standing and consent of instructor.</td>
<td>85315</td>
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</table>
MEL f321  ABRAHAM & ABRAHATIC RELIGIONS fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: Arabic 322, 360K, 372; Hebrew 372, 374; Islamic Studies 372; Persian 361, 372; Turkish 361, 372; Middle Eastern Languages and Cultures 321; Middle Eastern Studies 342. Prerequisite: Varies with the topic. Meets with MES 342. R S 353. 
• 85398 MTWTHF 100 - 230P MEZ 2.118 KAPLAN, J

MEL w393  COMPREHENSIVE EXAM PREP fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing, and consent of the instructor and graduate adviser.
• 85370

MEL w698A  THESIS fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Middle Eastern languages and cultures and consent of the graduate adviser; for 698B, Middle Eastern Languages and Cultures 699A.
• 85375

MEL w698B  THESIS fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Middle Eastern languages and cultures and consent of the graduate adviser; for 698B, Middle Eastern Languages and Cultures 699A.
• 85380

MEL w398R  MASTER'S REPORT fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in Middle Eastern languages and cultures and consent of the graduate adviser.
• 85390

MEL w399R  DISSERTATION fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 85390

MEL w669R  DISSERTATION fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 85390

MEL w699R  DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 85390

MEL w399W  DISSERTATION fee: $21.63
Offered on the credit/no credit basis only. Middle Eastern languages and cultures 399R, 699R, or 999R
• 85400

MEL w699W  DISSERTATION fee: $43.26
Offered on the credit/no credit basis only. Middle Eastern languages and cultures 399R, 699R, or 999R
• 85410

MEL w699W  DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Middle Eastern languages and cultures 399R, 699R, or 999R
• 85415

MEL f301K  INTRO M EAST: RELIC/ HIST FND fee: $74.16
A survey of the history and civilization of the Middle East from the sixth to the fourteenth century. Only one of the following may be counted: History 360K, Middle Eastern Studies 301K, Religious Studies 314 (Topic: Intro M East: Rel/ H Hist Fnd), 314K. same as HIS 326K, R S 314K.
• 85471 MTWTHF 1130 - 100P WAG 101

MEL f341  CONTEMPT POLITICS IN MID EAST fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: Middle Eastern Studies 320, 321K, 322K, 323K, 324K, 325, 326, 328, 341. Prerequisite: Varies with the topic. Meets with GOV 365N.
• 85475 MTWTHF 1130 - 100P PAR 1 TAFOLAR, M

MES w383  INTRNSHP APPLIED MID EAST STDS fee: $21.63
Hour(s) to be arranged. Students conduct research and participate in other work in an appropriate agency or business. May not be repeated for credit. Prerequisite: Graduate standing and consent of the graduate adviser.
• 85490

MES w698A  THESIS fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Middle Eastern studies and consent of the graduate adviser; for 698B, Middle Eastern Studies 699A.
• 85495

MES w698B  THESIS fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in Middle Eastern studies and consent of the graduate adviser; for 698B, Middle Eastern Studies 699A.
• 85500

MES w398R  MASTER'S REPORT fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in Middle Eastern studies and consent of the graduate adviser.
• 85505

MES s301L  INTO M EAST: ADJ/CHG MOD TM fee: $74.16
The responses of the societies of the Middle East and North Africa (Turkey, Iran, Afghanistan, Israel, and the Arab world) to Western cultural and political challenges, primarily since about 1800, same as GOV 314 (TOPIC 3), HIS 306N (TOPIC 5).
• 85510 MTWTHF 1130 - 100P WAG 101. BAGHERI, G

MES s341  CONTEMPT POLITICS IN MID EAST fee: $74.16
Course number may be repeated for credit when the topics vary. Only one of the following may be counted unless the topics vary: Middle Eastern Studies 320, 321K, 322K, 323K, 324K, 325, 326, 328, 341. Prerequisite: Varies with the topic. Meets with GOV 365N.
• 85515 MTWTHF 1130 - 100P PAR 1 ARKILIC, Z

MES s380  CONFERENCE COURSE fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual research, discussion, and writing of papers about various general and specialized Middle Eastern subjects. Prerequisite: Upper-division standing and consent of instructor.
• 85520

MES s382  CONFERENCE COURSE fee: $21.63
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Individual research on various aspects, periods, civilizations, and cultures of the Middle East and North Africa. Prerequisite: Graduate standing and consent of instructor.
• 85525

MES s398T  INTRNSHP APPLYING MID EAST STUDS fee: $21.63
Hour(s) to be arranged. Supervised individual study of society and culture. Restricted enrollment; contact the department for permission to register for this class. Teaching under the close supervision of a faculty member; weekly group meetings with the instructor, individual consultation, and reports throughout the teaching period. Prerequisite: Graduate standing and appointment as a teaching assistant or assistant instructor.
• 85530

PRS s389  CONF COURSE IN PERSIAN STUDIES fee: $21.63
Hour(s) to be arranged. Supervised individual study of society and culture. Restricted enrollment; contact the department for permission to register for this class. Teaching under the close supervision of a faculty member; weekly group meetings with the instructor, individual consultation, and reports throughout the teaching period. Prerequisite: Graduate standing and consent of instructor.
• 85535

TUR s389  CONF COURSE IN TURKISH STUDIES fee: $21.63
Hour(s) to be arranged. Supervised individual study of society and culture. Restricted enrollment; contact the department for permission to register for this class. Teaching under the close supervision of a faculty member; weekly group meetings with the instructor, individual consultation, and reports throughout the teaching period. Prerequisite: Graduate standing and consent of instructor.
• 85540

DEPARTMENT OF PHILOSOPHY

Philosophy - PHL

PHL f312  INTRODUCTION TO LOGIC fee: $74.16
Logical structure of sentences and arguments; elementary symbolic methods; applications. May not be counted by students with prior credit for Philosophy 313, 313K, 313Q, or 344K.
• 85695 MTWTHF 1000 - 1130 WEL 3.260 BJURMAN-PAULTZ, A
PHL 1316K SCIENCE AND PHILOSOPHY fee: $74.16
Introduction to scientific method, including discussion of the nature and goals of science. May not be counted by students with credit for Philosophy 363.
- 85700 MTWTHF 1130 - 100P CLA 1.108

PHL 1317K INTRO TO PHILOS OF THE ARTS fee: $74.16
Classic issues in the philosophy of art and beauty, illustrated from the fine arts and contemporary media: literature, drama, music, painting, film, and television.
- 85705 MTWTHF 100 - 230P WAG 420 WOOLWINE, C

PHL 1329L EARLY MOD PHL DESCARTES-KANT fee: $74.16
Prerequisite: Six semester hours of coursework in philosophy.
- 85710 MTWTHF 1130 - 100P CLA 0.106 HANKINSON, R

PHL 679HA HONORS TUTORIAL COURSE fee: $74.16
Hour(s) to be arranged. Supervised individual reading for one semester, followed by research and writing to produce a substantial paper on a special topic in philosophy, to be completed during the second semester. Prerequisite: For 679HA, admission to the Philosophy Honors Program; for 679HB, Philosophy 679HA.
- 85715

PHL 379K CONFERENCE COURSE fee: $74.16
Hour(s) to be arranged. May be repeated for credit. Intensive tutorial study of selected problems in philosophy. Prerequisite: Nine semester hours of upper-division coursework in philosophy and consent of instructor and the undergraduate adviser in philosophy.
- 85720

PHL 388 CONFERENCE COURSE fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Mainly a reading course in the works of classical and modern philosophers. Prerequisite: Graduate standing and consent of the graduate adviser.
- 85725

PHL w388 CONFERENCE COURSE fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Mainly a reading course in the works of classical and modern philosophers. Prerequisite: Graduate standing and consent of the graduate adviser.
- 87260

PHL I388C PROSPECTUS COURSE fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Mainly a reading course for development of a dissertation prospectus. Prerequisite: Graduate standing and consent of the graduate adviser.
- 87376

PHL w698A THESIS fee: $21.63
Offered on the credit/no credit basis only. For 698A, graduate standing in philosophy, twelve semester hours of upper-division or graduate coursework in philosophy, and consent of the graduate adviser; for 698B, Philosophy 698A.
- 85740

PHL w698B THESIS fee: $21.63
Offered on the credit/no credit basis only. For 698A, graduate standing in philosophy, twelve semester hours of upper-division or graduate coursework in philosophy, and consent of the graduate adviser; for 698B, Philosophy 698A.
- 85745

PHL w398R MASTER'S REPORT fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in philosophy and consent of the graduate adviser.
- 85750

PHL w399R DISSERTATION fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 85755

PHL w699R DISSERTATION fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 85760

PHL w999R DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
- 85765

PHL w399W DISSERTATION fee: $21.63
Offered on the credit/no credit basis only. Prerequisite: Philosophy 399R, 699R, or 999R.
- 85770

PHL w699W DISSERTATION fee: $43.26
Offered on the credit/no credit basis only. Prerequisite: Philosophy 399R, 699R, or 999R.
- 85775

PHL w999W DISSERTATION fee: $64.89
Offered on the credit/no credit basis only. Prerequisite: Philosophy 399R, 699R, or 999R.
- 85780

PHL s313 INTRODUCTORY SYMBOLIC LOGIC fee: $74.16
Introduction to symbolic logic (through first-order predicate logic), interpretations; formal proofs, consistency; some practical applications. Only one of the following may be counted: Computer Science 313H, 313K, Philosophy 313, 313K, 313Q.
- 85785 MTWTHF 100 - 300P WAG 420 JUHL, C

PHL s318 INTRODUCTION TO ETHICS fee: $74.16
Study of basic principles of the moral life, with critical examination of traditional and contemporary theories of the nature of goodness, happiness, duty, and freedom. Philosophy 610QB and 318 may not both be counted.
- 85790 MTWTHF 1000 - 1130 CLA 1.102 SCHUKRAFT, J

PHL s325M MEDICINE, ETHICS, AND SOCIETY fee: $74.16
Moral, legal, religious, and political implications of developments in medicine; topics include abortion, euthanasia, sterilization, psychosurgery, genetic engineering; concepts of health, cure, insanity, and death.
- 85795 MTWTHF 1130 - 100P GAR 3.116 LEON, J

PHL s679HB HONORS TUTORIAL COURSE fee: $74.16
Hour(s) to be arranged. Supervised individual reading for one semester, followed by research and writing to produce a substantial paper on a special topic in philosophy, to be completed during the second semester. Prerequisite: For 679HA, admission to the Philosophy Honors Program; for 679HB, Philosophy 679HA.
- 85800

PHL s379K CONFERENCE COURSE fee: $74.16
Hour(s) to be arranged. May be repeated for credit. Intensive tutorial study of selected problems in philosophy. Prerequisite: Nine semester hours of upper-division coursework in philosophy and consent of instructor and the undergraduate adviser in philosophy.
- 85805

PHL s388 CONFERENCE COURSE fee: $21.63
Hour(s) to be arranged. May be repeated for credit. Mainly a reading course in the works of classical and modern philosophers. Prerequisite: Graduate standing and consent of the graduate adviser.
- 85810

PHL s388C PROSPECTUS COURSE fee: $21.63
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Mainly a reading course for development of a dissertation prospectus. Prerequisite: Graduate standing and consent of the graduate adviser.
- 85815

Social Science - S S
Tutorial Course - T C

T C w660HA THESIS COURSE: HONORS fee: $74.16
Hour(s) to be arranged. Restricted to students registered under Plan II for the BA degree. Restricted enrollment; contact the department for permission to register for this class. Directed reading followed by the writing of a substantial essay. Prerequisite: For 660HA, two semesters of Tutorial Course 357 and consent of the director; for 660HB, Tutorial Course 660HA.
- 85870

T C w660HB THESIS COURSE: HONORS fee: $74.16
Hour(s) to be arranged. Restricted to students registered under Plan II for the BA degree. Directed reading followed by the writing of a substantial essay. Prerequisite: For 660HA, two semesters of Tutorial Course 357 and consent of the director; for 660HB, Tutorial Course 660HA.
- 85875

DEPARTMENT OF PSYCHOLOGY

Psychology - P SY

PSY 1301 INTRODUCTION TO PSYCHOLOGY fee: $79.16
Basic problems and principles of human experience and behavior.
- 85930 MTWTHF 230 - 400P SEA 2.108

PSY 1308 BIOPSYCHOLOGY fee: $74.16
Introduction to the biological bases of psychological processes and behavior. Overview of the physiology and anatomy of the nervous system, followed by a survey of brain mechanisms of perception, cognition, learning, and emotion; biological perspectives on drug action and mental disease. Prerequisite: Psychology 301 with a grade of at least C and credit for one of the following: Mathematics 302, 303D, 403K, 305G, 408C, 409K, 316; or Statistics and Scientific Computation 302, 303, 304, 305, 306, 318.
- 85940 MTWTH 830 - 1000 NOA 1.126 LEE, H

PSY n418 STATISTICS AND RESEARCH DESIGN fee: $98.88
Survey of statistics, including central tendency, variability and inference, and scientific methodology used in psychological research. Students may not enroll in Psychology 418 more than twice. Prerequisite: Psychology 301 with a grade of at least C and credit for one of the following: Mathematics 302, 303D, 403K, 305G, 408C, 409K, 316; or Statistics and Scientific Computation 302, 303, 304, 305, 306, 318.
- 85955 MTWTH 1000 - 1200 SEA 2.114 CARROLL, P

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PSY 319K</td>
<td>Social Psychology</td>
<td>$74.16</td>
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<td>Theory and research on the analysis of human conduct in social settings. Prerequisite: Psychology 301 with a grade of at least C.</td>
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<td>• 85945 MTWTH 1130 - 100P SEA 2.108 ANGULO, S</td>
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<tr>
<td>PSY 332</td>
<td>Behavioral Neuroscience</td>
<td>$74.16</td>
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<td>• 85950 MTWTH 1000 - 1130 NOA 1.102 GONZALEZ-LIMA, F</td>
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<tr>
<td>PSY 333C</td>
<td>Controversial Issues in Devel</td>
<td>$74.16</td>
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<td>An exploration of questions in developmental psychology that are currently in dispute. Topics may include stem cell research, treatment of juveniles in the legal system, physician-assisted suicide, and methods of sex education. Psychology 333C and 341K (Topic: Controversial Issues in Development) may not both be counted. Prerequisite: For psychology majors, upper-division standing and Psychology 301 and 418 with a grade of at least C in each; for nonmajors, upper-division standing, Psychology 301 with a grade of at least C, and one of the following with a grade of at least C: Biology 318M, Civil Engineering 311S, Economics 329, Educational Psychology 371, Electrical Engineering 351K, Government 350K, Mathematics 316, 362K, Mechanical Engineering 335, Psychology 317, Sociology 317L, Social Work 318, Statistics 309, Statistics and Scientific Computation 302, 303, 304, 305, 306, 318.</td>
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<td>• 85955 MTWTH 1000 - 230P NOA 1.102 REPP, A</td>
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<tr>
<td>PSY 333D</td>
<td>Intro to Developmental Psych</td>
<td>$75.16</td>
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<td>Physical, social, and cognitive development in humans. Psychology 304 and 333D may not both be counted. Psychology 333D and Women's and Gender Studies 345 (Topic: Introduction to Developmental Psychology) may not both be counted. Prerequisite: For psychology majors, upper-division standing and Psychology 301 and 418 with a grade of at least C in each; for nonmajors, upper-division standing, Psychology 301 with a grade of at least C, and one of the following with a grade of at least C: Biology 318M, Civil Engineering 311S, Economics 329, Educational Psychology 371, Electrical Engineering 351K, Government 350K, Mathematics 316, 362K, Mechanical Engineering 335, Psychology 317, Sociology 317L, Social Work 318, Statistics 309, Statistics and Scientific Computation 302, 303, 304, 305, 306, 318.</td>
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<td>• 85960 MTWTH 1000 - 1130 NOA 1.124 REEVES, L</td>
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<tr>
<td>PSY 333N</td>
<td>Cognitive Development</td>
<td>$74.16</td>
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<td>• 85965 MTWTH 1000 - 230P SEA 3.250 ECHOLS, C</td>
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<td>PSY 352</td>
<td>Abnormal Psychology</td>
<td>$75.16</td>
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<td>• 85970 MTWTH 1130 - 100P NOA 1.124 RAMIREZ, M</td>
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<tr>
<td>PSY 357</td>
<td>Undergraduate Research</td>
<td>$74.16</td>
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Supervised research experience. May not be counted toward a major in psychology. Prerequisite: At least thirty semester hours of college coursework, Psychology 301 with a grade of at least C, and consent of instructor.</td>
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<tr>
<td>PSY w357</td>
<td>Undergraduate Research</td>
<td>$74.16</td>
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Supervised research experience. May not be counted toward a major in psychology. Prerequisite: At least thirty semester hours of college coursework, Psychology 301 with a grade of at least C, and consent of instructor.</td>
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<td>PSY 359</td>
<td>Select Tpcs: Reading: Tutorial</td>
<td>$74.16</td>
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Supervised reading in selected topics of significance; area of intensive study is chosen by the student in consultation with the instructor. May not be counted toward a major in psychology. Prerequisite: Upper-division standing, Psychology 301 with a grade of at least C, and consent of instructor.</td>
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<td>• 85995</td>
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<tr>
<td>PSY w359</td>
<td>Select Tpcs: Reading: Tutorial</td>
<td>$74.16</td>
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<td>Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Supervised reading in selected topics of significance; area of intensive study is chosen by the student in consultation with the instructor. May not be counted toward a major in psychology. Prerequisite: Upper-division standing, Psychology 301 with a grade of at least C, and consent of instructor.</td>
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<tr>
<td>PSY 364P</td>
<td>Positive Psych &amp; the Good Life</td>
<td>$74.16</td>
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<td>A survey of the emerging field of positive psychology, including assessment and determinants of well-being; human strengths and virtues; the good life considered from evolutionary, economic, sociological, and cross-cultural perspectives; and applications to issues such as social change. Psychology 341K (Topic: Positive Psychology and the Good Life) and 364P may not both be counted. Prerequisite: For psychology majors, upper-division standing and Psychology 301 and 418 with a grade of at least C in each; for others, upper-division standing, Psychology 301 with a grade of at least C, and one of the following with a grade of at least C: Biology 318M, Civil Engineering 311S, Economics 329, Educational Psychology 371, Electrical Engineering 351K, Government 350K, Mathematics 316, 362K, Mechanical Engineering 335, Psychology 317, Sociology 317L, Social Work 318, Statistics 309, Statistics and Scientific Computation 302, 303, 304, 305, 306, 318.</td>
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<td>• 85995 MTWTH 1000 - 1130 NOA 1.124 DOMJAN, W</td>
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**DEPARTMENT OF RELIGIOUS STUDIES**

**Religious Studies - R S**

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<th>Course Code</th>
<th>Course Title</th>
<th>Fee</th>
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<tr>
<td>R S 106</td>
<td>MAGIC AND POWER IN PRAGUE</td>
<td>$74.16</td>
</tr>
<tr>
<td>R S 130</td>
<td>INTRO TO THE STUDY OF RELIGION</td>
<td>$74.16</td>
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<tr>
<td>R S 134K</td>
<td>INTRO M EAST: REL/CUL/HIST FND</td>
<td>$74.16</td>
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**DEPARTMENT OF RHETORIC AND WRITING**

**Rhetoric and Writing - RHE**

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Fee</th>
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<tbody>
<tr>
<td>RHE 306</td>
<td>RHETORIC AND WRITING</td>
<td>$74.16</td>
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<tr>
<td>RHE 309K</td>
<td>RHETORIC OF THE WILD</td>
<td>$74.16</td>
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<tr>
<td>RHE 309</td>
<td>RHETORIC OF YOUNG ADULT FICTION</td>
<td>$74.16</td>
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**Rhetoric and Writing**

- Designed to accommodate 35 or fewer students. An introductory writing course that includes instruction in practical reasoning and the principles of rhetoric. Only one of the following may be counted: English 603A, Rhetoric and Writing 306, 3062. Tutorial Course 403A. Prerequisite: A passing score on the writing section of the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test). See headnote.

- Designed to accommodate 35 or fewer students. A writing course focused on studying and practicing methods of rhetorical analysis within the contexts of disputed issues of academic, political, or cultural significance. May be repeated once for credit when the topics vary. Prerequisites: Rhetoric and Writing 306 or 3062.

- Designed to accommodate 35 or fewer students. A writing course focused on studying and practicing methods of rhetorical analysis within the contexts of disputed issues of academic, political, or cultural significance. May be repeated once for credit when the topics vary. Prerequisites: Rhetoric and Writing 353 or 3532.

- Designed to accommodate 35 or fewer students. A writing course focused on studying and practicing methods of rhetorical analysis within the contexts of disputed issues of academic, political, or cultural significance. May be repeated once for credit when the topics vary. Prerequisites: Rhetoric and Writing 306 or 3062.

- Designed to accommodate 35 or fewer students. A writing course focused on studying and practicing methods of rhetorical analysis within the contexts of disputed issues of academic, political, or cultural significance. May be repeated once for credit when the topics vary. Prerequisites: Rhetoric and Writing 353 or 3532.
RHE f321 PRINCIPLES OF RHETORIC fee: $74.16
Designed to accommodate 35 or fewer students. Examines major terms, issues, and approaches in the theory and practice of rhetoric and writing. Prerequisite: Upper-division standing and one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A.
• 86270 MTWTHF 1130 - 100P MEZ 1.208 CHARNIE, D

RHE f330D 8-PHILOSOPHY VS RHETORIC fee: $74.16
Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. An advanced survey of figures and movements in the history of rhetoric, from classical to contemporary. Study of the co-emergence and subsequent split between rhetoric and philosophy in the classical period and their potential reunification in a contemporary context. Rhetoric and Writing 331D (Topic: Philosophy vs Rhetoric) and 330D (Topic B) may not both be counted. Prerequisite: Upper-division standing and one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A.
• 86275 MTWTHF 100 - 230P MEZ 2.124 SMITH, D

RHE f330E FILM AS RHETORIC fee: $74.16
Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. An advanced examination of rhetorical theories and their applications. Prerequisite: Upper-division standing and one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A.
• 86280 MTWTHF 1000 - 1130 PAR 304 FERREIRA-BUCKLEY

RHE w366 INTERNSHIP IN RHETORIC & WRIT fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Offered on the pass/fail basis only. Research and staff experience working in an appropriate nonprofit, public, or private-sector entity. May be repeated once for credit when the internships vary. Prerequisite: Upper-division standing, twelve semester hours of coursework in rhetoric and writing, and consent of instructor.
• 86290

RHE w367R CONF CRS IN RHETORIC & WRITING fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised work on specific projects in rhetoric and writing. Prerequisite: Upper-division standing; one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A, and approval of written application by the supervising instructor.
• 86290

RHE s306 RHETORIC AND WRITING fee: $74.16
Designed to accommodate 35 or fewer students. An introductory writing course that includes instruction in practical reasoning and the principles of rhetoric. Only one of the following may be counted: English 603A, Rhetoric and Writing 306, 306Q, Tutorial Course 603A, or equivalent. Prerequisite: A passing score on the writing section of the Texas Higher Education Assessment (THEA) test (or an appropriate assessment test). See headnote.
• 86325 MTWTHF 830 - 1000 MEZ 2.118
• 86330 MTWTHF 1000 - 1130 GAR 1.126
• 86335 MTWTHF 1000 - 1130 MEZ 2.118
• 86340 MTWTHF 1000 - 1130 PAR 103
• 86345 MTWTHF 1000 - 1130 PAR 302
• 86320 MTWTHF 1130 - 100P MEZ 2.118 TUTTLE, A

RHE s309K RHEtORIC OF AMERICAN CRIME fee: $74.16
Designed to accommodate 35 or fewer students. A writing course focused on studying and practicing methods of rhetorical analysis within the contexts of disputed issues of academic, political, or cultural significance. May be repeated once for credit when the topics vary. Prerequisite: Rhetoric and Writing 306 or 306Q.
• 86325 MTWTHF 1000 - 1130 GAR 3.116 OMIDSALEH, A

RHE s321 ADVANCED WRITING fee: $74.16
Designed to accommodate 35 or fewer students. An advanced course designed to improve and refine writing. Prerequisite: Upper-division standing and one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A.
• 86370 MTWTHF 1130 - 100P MEZ 1.208 ZACKS, A

RHE s328 1-MAGAZINE WRITING/PUBLISHING fee: $74.16
Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. A professional and technical writing course exploring topics such as writing for nonprofit organizations, writing for government and industry. Designed for students in nontechnical fields. Introduction to magazine writing, editing, and publishing, with an emphasis on the nonfiction article. Restricted to liberal arts majors. Prerequisite: Upper-division standing, and one of the following: English 603A, Rhetoric and Writing 306, 306Q, or Tutorial Course 306A.
• 86375 MTWTHF 830 - 1000 PAR 302 BUCKLEY, T

ROTC COURSES
DEPARTMENT OF AIR FORCE SCIENCE

Air Force Science - AFS

DEPARTMENT OF MILITARY SCIENCE

Military Science - M S

DEPARTMENT OF NAVAL SCIENCE

Naval Science - N S

CENTER FOR RUSSIAN, EAST EUROPEAN, AND EURASIAN STUDIES

Russian, East European, and Eurasian Studies - RER

REE f302 2-MAGIC AND POWER IN PRAGUE fee: $74.16
Course number may be repeated for credit when the topics vary. Examines historical texts from four different magical traditions to find the truth behind the fiction and the historical events that sometimes permitted and sometimes persecuted the religions, philosophies, and sciences that some call magic. Only one of the following may be counted: Czech 301K (Topic: Magic and Power in Prague: The Struggle for Power), 301K (Topic 2), History 306N (Topic: Magic and Power in Prague: The Struggle for Power), 301N (Topic 14), Religious Studies 305 (Topic: Magic and Power in Prague: The Struggle for Power), Russian, East European, and Eurasian Studies 302 (Topic: Magic and Power in Prague: The Struggle for Power), 302 (Topic 2). Prerequisite: Variation varies with the topic and is given in the Course Schedule. same as CZ 301K (Topic 2), HIS 301N (TOPIC 14), also meets with R S 306.
• 86430 MTWTHF 1130 - 100P BUR 226 ROBERTS, J

REE f335 22-POLITICS OF NEW DEMOCRACIES fee: $74.16
Course number may be repeated for credit when the topics vary. Examination of the process of democratization and factors related to its success. Fulfills the basic Russian, East European, and Eurasian studies requirement in history, economics, and government. Some sections offered on the letter-grade basis only. Only one of the following may be counted: Government 365N (Topic 13), Latin American Studies 337M (Topic: Politics of New Democracies), 337M (Topic 15), Russian, East European, and Eurasian Studies 335 (Topic: Politics of New Democracies), 335 (Topic 22). Prerequisite: Varies with the topic. Additional prerequisite: For government majors, six semester hours of lower-division coursework in government; for others, upper-division standing, same as GOV 365N (TOPIC 13), LAS 337M (TOPIC 15).
• 86435 MTWTHF 1000 - 1130 MEX 306 GOODNOW, R

REE f379C CONFERENCE COURSE fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Consent of the undergraduate adviser in Russian, East European, and Eurasian studies.
• 86440

REE f679HA HONORS TUTORIAL COURSE fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Intensive reading and research planned with and approved by the honors adviser, followed by completion of a thesis. Required of Russian, East European, and Eurasian studies majors who plan to seek special honors in Russian, East European, and Eurasian studies. Prerequisite: For 679HA, upper-division standing, admission to the Russian, East European, and Eurasian Studies Honors Program, and consent of the honors adviser; for 679HB, Russian, East European, and Eurasian Studies 679HA.
• 86445

REE f679HB HONORS TUTORIAL COURSE fee: $74.16
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Intensive reading and research planned with and approved by the honors adviser, followed by completion of a thesis. Required of Russian, East European, and Eurasian studies majors who plan to seek special honors in Russian, East European, and Eurasian studies. Prerequisite: For 679HB, upper-division standing, admission to the Russian, East European, and Eurasian Studies Honors Program, and
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<td>Course number may be repeated when the topics vary. Examines the mass killing of Jews and other victims in the context of Nazi Germany's quest for race and space during World War II. Fulfills the basic Russian, East European, and Eurasian studies requirement in history, economics, and government. Some sections offered on the letter-grade basis only. Only one of the following may be counted: European Studies 346 (Topic: Introduction to the Holocaust), 346 (Topic 17), History 362G (Topic: Introduction to the Holocaust), 364 (Topic 6), Middle Eastern Studies 325 (Topic: Introduction to the Holocaust), Russian, East European, and Eurasian Studies 335 (Topic: Introduction to the Holocaust), 335 (Topic 17). Prerequisite: Varies with the topic. same as EUS 346 (TOPIC 17), HIS 362G (TOPIC 3), J S 364 (TOPIC 6).</td>
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**DEPARTMENT OF SLAVIC AND EURASIAN STUDIES**

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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Prerequisite: Six semester hours of upper-division coursework in Russian and consent of instructor and the chair of the department.</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Supervised individual research on a literary or linguistic problem, which culminates in an honors paper of some length. Must be taken for special honors in addition to the major requirement. Prerequisite: For 679HA, upper-division standing, a University grade point average of at least 3.00, and a grade point average in Russian of at least 3.50, for 679HB, Russian 679HA.</td>
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**DEPARTMENT OF SPANISH AND PORTUGUESE**

Iberian and Latin American Languages and Cultures - ILA

Portuguese Civilization - PRC

Portuguese - POR

Spanish Civilization - SPC

Spanish - SPN

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<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Mentorship and pedagogical training by working one-on-one with a faculty member on the development and design of an undergraduate, upper-division level course in their area of specialization. Prerequisite: Graduate standing; Iberian and Latin American Languages and Cultures 398T; admission to candidacy for the doctoral degree, including an approved dissertation proposal, and consent of the graduate adviser.</td>
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<tr>
<td>ILA w394</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised preparation for the dissertation for the doctoral degree qualifying paper. Designed to be taken in the same semester the student submits the paper. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.</td>
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<tr>
<td>ILA w395</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Preparation of field lists, and critical summaries of these lists, under faculty supervision. Prerequisite: Graduate standing; Iberian and Latin American Languages and Cultures 396. Prepared for students for Iberian and Latin American Languages and Cultures 398T. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.</td>
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<tr>
<td>ILA w398R</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of the report required to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing, and consent of instructor and the graduate adviser.</td>
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<td>ILA w699R</td>
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<tr>
<td>ILA w999W</td>
<td>Offered on the credit/no credit basis only. May be repeated for credit. Supervised writing of the dissertation for the doctoral degree. Prerequisite: Iberian and Latin American Languages and Cultures 399R, 699R, or 999R, and consent of instructor and the graduate adviser.</td>
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**DEPARTMENT OF SPANISH AND PORTUGUESE**

Iberian and Latin American Languages and Cultures - ILA

Portuguese Civilization - PRC

Portuguese - POR

Spanish Civilization - SPC

Spanish - SPN

<table>
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<th>course</th>
<th>unique</th>
<th>days</th>
<th>time</th>
<th>room</th>
<th>instructor</th>
</tr>
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<tbody>
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<td>TEACHING PRACTICUM</td>
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<tr>
<td>ILA w385T</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Mentorship and pedagogical training by working one-on-one with a faculty member on the development and design of an undergraduate, upper-division level course in their area of specialization. Prerequisite: Graduate standing; Iberian and Latin American Languages and Cultures 398T; admission to candidacy for the doctoral degree, including an approved dissertation proposal, and consent of the graduate adviser.</td>
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<td>ILA w394</td>
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**DEPARTMENT OF SPANISH AND PORTUGUESE**

Iberian and Latin American Languages and Cultures - ILA

Portuguese Civilization - PRC

Portuguese - POR

Spanish Civilization - SPC

Spanish - SPN

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SPN 4610D INTRODUCTORY SPANISH I  
fee: $148.32

SPN 4611D INTERMEDIATE SPANISH II  
fee: $148.32

SPN 4627C ADV GRAM & WRITING IN CONTEXT  
fee: $74.16

SPN 4646 SOUNDS AND INTONATION-SPN  
fee: $74.16

SPN 4645 INTRO LANG AND LING IN SOCIETY  
fee: $74.16

SPN 4625L CONF CRS IN HISPAN LIT & LING  
fee: $14.42

SPN w989A THESIS  
fee: $21.63

SPN w989B THESIS  
fee: $21.63

SPN w999R DISSERTATION  
fee: $21.63

SPN w699R DISSERTATION  
fee: $43.26

SPN n601D INTRODUCTORY SPANISH  
fee: $148.32

SPN 611D INTERMEDIATE SPANISH I  
fee: $148.32

SPN 627C ADV GRAM & WRIT IN CONTEX-SPN  
fee: $74.16

SPN 633C ADV GRAM & WRIT IN CONTEX-SPN  
fee: $74.16

SPN 630L INTERO LANG AND LING IN SOCIETY  
fee: $74.16

SPN w99R DISSERTATION  
fee: $21.63

SPN w69R DISSERTATION  
fee: $21.63

SPN w699R DISSERTATION  
fee: $43.26

SPN 699R DISSERTATION  
fee: $64.89

SPN 699W DISSERTATION  
fee: $21.63

SPN s610D INTERMEDIATE SPANISH I  
fee: $148.32

SPN s611D INTERMEDIATE SPANISH II  
fee: $148.32

SPN 327C ADV GRAM & WRIT IN CONTEXT-SPN  
fee: $74.16

SPN 327W ADV GRAMMAR AND COMPOSITION II  
fee: $74.16

SPN 328C INTRO TO LITERATURES/ULS  
fee: $74.16

SPN s346 SOUNDS AND INTONATION  
fee: $74.16

SPN w399W DISSERTATION  
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SPN w399R DISSERTATION  
fee: $21.63

SPN w699R DISSERTATION  
fee: $43.26

SPN n610D INTRODUCTORY SPANISH  
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SPN 612D INTERMEDIATE SPANISH II  
fee: $148.32

SPN 611D INTERMEDIATE SPANISH II  
fee: $148.32

SPN w699R DISSERTATION  
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SPN w999W DISSERTATION  
fee: $64.89

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SPN w699W DISSERTATION  
fee: $43.26

SPN w699W DISSERTATION  
fee: $64.89
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<th>Course Title</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>SPN s285L</td>
<td>CONF CRS IN HISPAN LIT &amp; LING</td>
<td>Hour(s) to be arranged. May be repeated for credit. For students needing specialized courses not normally or not often included in the regular course offerings. Prerequisite: Graduate standing and written consent of the graduate adviser.</td>
<td>$14.42</td>
</tr>
<tr>
<td>SPN s385L</td>
<td>CONF CRS IN HISPAN LIT &amp; LING</td>
<td>Hour(s) to be arranged. May be repeated for credit. For students needing specialized courses not normally or not often included in the regular course offerings. Prerequisite: Graduate standing and written consent of the graduate adviser.</td>
<td>$21.63</td>
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<tr>
<td>SPN s295L</td>
<td>COMPREHENSIVE EXAM PREPARATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised preparation for the comprehensive examination for the doctoral degree. Prerequisite: Satisfactory completion of all course requirements for the doctoral degree.</td>
<td>$14.42</td>
</tr>
<tr>
<td>SPN s395L</td>
<td>COMPREHENSIVE EXAM PREPARATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised preparation for the comprehensive examination for the doctoral degree. Prerequisite: Satisfactory completion of all course requirements for the doctoral degree.</td>
<td>$21.63</td>
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**CENTER FOR WOMEN'S AND GENDER STUDIES**

**Women's and Gender Studies - WGS**

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WGS f350</td>
<td>FEMINIST THEORY</td>
<td>Feminist theory with selections from women's and gender studies scholars. Recommended feminist theory course for women's and gender studies majors. Women's and Gender Studies 332 (Topic 4: Feminist Theory) and 350 may not both be counted. Restricted to women's and gender studies majors. Prerequisite: Upper-division standing; additional prerequisites vary with the topic. Prerequisite: Upper-division standing; additional prerequisites vary with the topic.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w350Q</td>
<td>SUPERVISED RESEARCH</td>
<td>Hour(s) to be arranged. Supervised individual research on an issue in women's and gender studies. Prerequisite: Upper-division standing; Women's and Gender Studies 356 with grade of at least C-. Prerequisite: Upper-division standing; same as EUS 346 (TOPIC 3). Some topics partially fulfill legislative requirement for American history. Some topics are offered on the letter-grade basis only. Prerequisite: Upper-division standing; additional prerequisites vary with the topic.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w360</td>
<td>RSC/THESIS IN WOM'S/GEND STDS</td>
<td>Hour(s) to be arranged. Offered on the letter-grade basis only. Restricted enrollment; contact the department for permission to register for this class. Individual project or paper to be completed under the direction of a women's and gender studies faculty member. Restricted to women's and gender studies majors. Prerequisite: Upper-division standing; Women's and Gender Studies 356 with grade of at least C-.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w679HA</td>
<td>HONORS TUTORIAL COURSE</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Restricted to honors candidates majoring in women's and gender studies. Prerequisite: For 679HA, twelve semester hours of coursework in women's and gender studies and consent of supervising faculty member; for 679HB, Women's and Gender Studies 679HA.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w679HB</td>
<td>HONORS TUTORIAL COURSE</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Restricted to honors candidates majoring in women's and gender studies. Prerequisite: For 679HA, twelve semester hours of coursework in women's and gender studies and consent of supervising faculty member; for 679HB, Women's and Gender Studies 679HA.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w379L</td>
<td>INTERNSHIP IN WOM'S &amp; GEND STD</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Practical working involvement with participating nonprofit and research agencies. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
<td>$21.63</td>
</tr>
<tr>
<td>WGS w384N</td>
<td>INTERNSHIP IN WOM'S/GEND STDS</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Practical working involvement with participating nonprofit and research agencies. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
<td>$21.63</td>
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**UTEACH-LIBERAL ARTS**

**UTEACH-Liberal Arts - UTL**

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<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>UTL f320</td>
<td>TEACHING ENG AS SECOND LANG I</td>
<td>Course number may be repeated for credit when the topics vary. Introduction to various topics related to middle grades, secondary, and all-level teaching certification. Topics may include history, social studies, English language arts, and languages other than English. Prerequisite: Consent of the UTeach advisor in the College of Liberal Arts.</td>
<td>$74.16</td>
</tr>
<tr>
<td>UTL f330</td>
<td>TEACHING ENG AS SECOND LANG II</td>
<td>Course number may be repeated for credit when the topics vary. Introduction to various topics related to middle grades, secondary, and all-level teaching certification. Topics may include history, social studies, English language arts, and languages other than English. Prerequisite: Consent of the UTeach advisor in the College of Liberal Arts.</td>
<td>$74.16</td>
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**SUPERVISED RESEARCH**

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<tr>
<td>WGS w350Q</td>
<td>SUPERVISED RESEARCH</td>
<td>Hour(s) to be arranged. Supervised individual research on an issue in women's and gender studies. Prerequisite: Upper-division standing; Women's and Gender Studies 356 with grade of at least C-. Some topics are offered on the letter-grade basis only. Prerequisite: Upper-division standing; additional prerequisites vary with the topic.</td>
<td>$74.16</td>
</tr>
<tr>
<td>WGS w679HA</td>
<td>HONORS TUTORIAL COURSE</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Restricted to honors candidates majoring in women's and gender studies. Prerequisite: For 679HA, twelve semester hours of coursework in women's and gender studies and consent of supervising faculty member; for 679HB, Women's and Gender Studies 679HA.</td>
<td>$74.16</td>
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<tr>
<td>WGS w679HB</td>
<td>HONORS TUTORIAL COURSE</td>
<td>Hour(s) to be arranged. Individual reading of selected works for one semester, followed in the second semester by the writing of an honors thesis. Restricted to honors candidates majoring in women's and gender studies. Prerequisite: For 679HA, twelve semester hours of coursework in women's and gender studies and consent of supervising faculty member; for 679HB, Women's and Gender Studies 679HA.</td>
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<td>WGS w379L</td>
<td>INTERNSHIP IN WOM'S &amp; GEND STD</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Practical working involvement with participating nonprofit and research agencies. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
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</tr>
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<td>WGS w384N</td>
<td>INTERNSHIP IN WOM'S/GEND STDS</td>
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<td>$21.63</td>
</tr>
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<td>unique</td>
<td>days</td>
<td>time</td>
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<tr>
<td>WGS w394</td>
<td>87550</td>
<td>MW</td>
<td>400</td>
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<tr>
<td>CONF CRS IN WOMS/GEND STUDIES</td>
<td>fee: $21.63</td>
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<tr>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Individual directed readings and conferences on selected problems or topics in women's and gender studies. Prerequisite: Graduate standing and consent of the graduate adviser.</td>
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<tr>
<td>WGS w698A</td>
<td>87555</td>
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<td>THESIS</td>
<td>fee: $21.63</td>
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<tr>
<td>Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in women's and gender studies and consent of the graduate adviser; for 698B, Women's and Gender Studies 698A.</td>
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<tr>
<td>WGS w698B</td>
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<td>THESS</td>
<td>fee: $21.63</td>
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<td>Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Prerequisite: For 698A, graduate standing in women's and gender studies and consent of the graduate adviser; for 698B, Women's and Gender Studies 698A.</td>
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<tr>
<td>WGS w398R</td>
<td>87560</td>
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<tr>
<td>MASTER'S REPORT</td>
<td>fee: $21.63</td>
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<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Restricted enrollment; contact the department for permission to register for this class. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in women's and gender studies and consent of the graduate adviser.</td>
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<tr>
<td>WGS s301</td>
<td>87570</td>
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<tr>
<td>21-GENDER/RACE/CLASS AMER SOC</td>
<td>fee: $74.16</td>
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<tr>
<td>Designed to accommodate 35 or fewer students. Course number may be repeated for credit when the topics vary. Use of the sociological perspective to analyze the structure of American society, individual life, and group life chances are shaped by broader structures of privilege and disadvantage based on gender, race, and class. Examination of these in institutional arenas such as work, the family, education, health, the criminal justice system, sexuality, popular culture, and more. Some topics partially fulfill legislative requirement for American history. Only one of the following may be counted: Sociology 307L, 308 (Topic: Gender, Race, and Class in American Society), Women's and Gender Studies 301 (Topic: Gender, Race, and Class in American Society), 301 (Topic 21). Prerequisite: Varies with the topic, same as SOC 307L.</td>
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<td>WGS s324</td>
<td>87574</td>
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<tr>
<td>4-GENDER &amp; THE NEWS</td>
<td>fee: $74.16</td>
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<tr>
<td>Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Multidisciplinary course examining the different role of marginalized gender groups in producing news and the construction of gender within news texts. Only one of the following may be counted: Journalism 340C (Topic 5: Women and the News), Journalism 349D, Women's and Gender Studies 324 (Topic 4), 345 (Topic: Women and the News). May be counted toward the cultural diversity flag requirement. Fulfills the communication and culture requirement in the College of Communication. Restricted to Journalism majors. Prerequisite: Varies with the topic and is given in the Course Schedule. Additional prerequisite: For journalism majors, Journalism 310F (or 320D) and 311F (or 321C) with a grade of at least B- in each; for others: six hours of upper-division coursework in women's and gender studies. same as J 349D. also meets with J 395.</td>
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<td>WGS s335</td>
<td>87575</td>
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<tr>
<td>18-CENT US LESBIAN/GAY HIS</td>
<td>fee: $74.16</td>
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<td>Course number may be repeated for credit when the topics vary. The perspectives, experiences, and cultural contributions of lesbian, gay, bisexual, transgender, and queer people, examined from different disciplinary and/or interdisciplinary perspectives according to the topic. Some topics partially fulfill legislative requirement for American history. Some sections are offered on the letter-grade basis only. Only one of the following may be counted: American Studies 370 (Topic: United States Lesbian and Gay History, Twentieth Century), 370 (Topic 49), History 365G (Topic: United States Lesbian and Gay History, Twentieth Century), 365G (Topic 10), Women's and Gender Studies 335 (Topic 16), 340 (Topic: United States Lesbian and Gay History, Twentieth Century). Partially fulfills legislative requirement for American history. Prerequisite: Upper-division standing; additional prerequisites vary by topic. same as AMS 370 (TOPIC 49). HIS 365G (TOPIC 10).</td>
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<tr>
<td>WGS s340</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Women's experiences in different cultures. Exploration of black identity, political systems, and community activism in Central America and the Caribbean. Some topics partially fulfill legislative requirement for American history. Some sections are offered on the letter-grade basis only. Only one of the following may be counted: African and African Diaspora Studies 326, 374E (Topic: Afro-Caribbean Politics and Culture in Central America), Anthropology 324L (Topic: Afro-Caribbean Politics and Culture in Central America), 324L (Topic 47), Government 365N (Topic: Afro-Caribbean Politics and Culture in Central America), Latin American Studies 337M (Topic: Afro-Caribbean Politics and Culture in Central America), 337M, Women's and Gender Studies 340 (Topic: Afro-Caribbean Politics and Culture in Central America), 340 (Topic 36). Prerequisite: Upper-division standing; additional prerequisites vary with the topic. Additional prerequisite: Upper-division standing. Class meets July 13-August 17. Faculty-led Abroad Program taught in Bluefields, Nicaragua. Students must consult department as travel and orientation dates may be in addition to these dates. same as AFR 326, ANT 324L (TOPIC 47), LAS 337N.</td>
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COLLEGE OF NATURAL SCIENCES

NATURAL SCIENCES

Natural Sciences - NSC

NSC w001D PRACTICUM IN CLINICAL LAB SCI
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Offered on the pass/fail basis only. Students participate in a twelve- to fifteen-month off-campus training program. Restricted to clinical laboratory science majors. Prerequisite: Completion of all organized coursework for the Bachelor of Science in Clinical Laboratory Science degree and consent of the program director.
• 87640 FIELD, L

NSC f006K HANDS-ON SCIENCE II
The second of an integrated sequence of laboratory-based courses. Subjects include physical and chemical properties of matter, Earth's building blocks, plate tectonics, landforms, and weathering. Natural Sciences 306K and 309 (Topic: Science for the Twenty-First Century II) may not both be counted. May not be counted toward a degree in the College of Natural Sciences. Restricted to applied learning and development majors. Prerequisite: Natural Sciences 306J with a grade of at least C-
• 87642 MTWFTH 1200 - 200P RLM 7.116 DUNN, D
• 87643 MTWFTH 230 - 330P RLM 7.116

NSC w110E INTERNSHIP IN THE SCIENCES
Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Practical work experience related to the student's area of interest in natural sciences. Internships may be on or off campus, paid or unpaid, and may include work with non-profit agencies, government offices, or private corporations. Students work in a professional environment and apply analysis, communication, and other academic skills to practical work. Restricted to students in the College of Natural Sciences. Prerequisite: Completion of fifteen semester hours of coursework and consent of instructor.
• 87645

NSC w120E INTERNSHIP IN THE SCIENCES
Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Practical work experience related to the student's area of interest in Natural Sciences. Internships may be on or off campus, paid or unpaid, and may include work with non-profit agencies, government offices, or private corporations. Students work in a professional environment and apply analysis, communication, and other academic skills to practical work. Restricted to students in the College of Natural Sciences. Prerequisite: Upper-division standing and consent of instructor.
• 87650 FRANKS, R

NSC s009 CLINICAL EXPERIENCES I
Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Restrictions vary with the topic. Prerequisite: Varies with the topic.
• 87655 DE LOZANNE, A

DEPARTMENT OF ASTRONOMY

Astronomy - AST

AST f01 INTRODUCTION TO ASTRONOMY
Fee: $126.69
General introduction to astronomy for non-science majors. The solar system, stars, galaxies, and cosmology. Only one of the following may be counted: Astronomy 301, 302, 303, 307. May not be counted toward a degree in the College of Natural Sciences.
• 87710 MTWFTH 1000 - 1130 RLM 15.216B CASTANHEIRA, B

AST f110C CONFERENCE COURSE IN ASTRONOMY
Fee: $42.23
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87715

AST f110C CONFERENCE COURSE IN ASTRONOMY
Fee: $42.23
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87720

AST f210C CONFERENCE COURSE IN ASTRONOMY
Fee: $84.46
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87725

AST w210C CONFERENCE COURSE IN ASTRONOMY
Fee: $84.46
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87730

AST f310C CONFERENCE COURSE IN ASTRONOMY
Fee: $126.69
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87735

AST w310C CONFERENCE COURSE IN ASTRONOMY
Fee: $126.69
Hour(s) to be arranged. May be repeated for credit. Independent research course with supervision by astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87740

AST f375 CONFERENCE COURSE
Fee: $126.69
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Designed for science and engineering majors. Prerequisite: Consent of instructor or advisor.
• 87745

AST f175C CONFERENCE COURSE IN ASTRONOMY
Fee: $42.23
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register.
• 87755

AST w175C CONFERENCE COURSE IN ASTRONOMY
Fee: $42.23
Hour(s) to be arranged. May be repeated for credit. Independent research course with astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87760

AST f275C CONFERENCE COURSE IN ASTRONOMY
Fee: $84.46
Hour(s) to be arranged. May be repeated for credit. Independent research course with astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87765

AST f375C CONFERENCE COURSE IN ASTRONOMY
Fee: $126.69
Hour(s) to be arranged. May be repeated for credit. Independent research course with astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87770

AST w375C CONFERENCE COURSE IN ASTRONOMY
Fee: $126.69
Hour(s) to be arranged. May be repeated for credit. Independent research course with astronomy faculty member or research scientist. Restricted enrollment; contact the department for permission to register.
• 87775

AST w391 GRADUATE RESEARCH IN ASTRONOMY
Fee: $33.99
Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in astronomy and consent of instructor.
• 87780

AST w698A DISSERTATION
Fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in astronomy and consent of the graduate adviser; for 698B, Astronomy 698A.
• 87785

AST w698B DISSERTATION
Fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in astronomy and consent of the graduate adviser; for 698B, Astronomy 698A.
• 87790

AST w399R DISSERTATION
Fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 87795

AST w699R DISSERTATION
Fee: $67.98
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 87800

AST w999R DISSERTATION
Fee: $101.97
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.
• 87805

AST w399W DISSERTATION
Fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: Astronomy 399R, 699R, or 999R.
• 87810

AST w699W DISSERTATION
Fee: $67.98
Offered on the credit/no credit basis only. Prerequisite: Astronomy 399R, 699R, or 999R.
• 87815
### Biology - BIO

#### BIO 1206L INTRO LAB EXPERIMENTS IN BIOL

The organizing principles of biology (such as molecular and cellular functions, reproduction, development, homeostatic mechanisms, and organismal physiology and behavior) are used within a comparative and evolutionary framework to train students in modern laboratory techniques, bioinformatics, experimental design, and interpretation of results. Prerequisite: Credit or registration for Biology 311C or 311D.

- **87935** MWF 830 - 1000 PAI 2.48 MAAS, M
- **87939** MWF 830 - 1000 PAI 2.48 MAAS, M
- **87940** MWF 830 - 1000 PAI 2.48 MAAS, M
- **87945** MWF 830 - 1000 PAI 2.48 MAAS, M

#### BIO 351C INTRODUCTORY BIOLOGY I

Introduction to biological energy transformation, cell structure and physiology, and gene expression. Only one of the following may be counted: Biology 311C and 212 may not both be counted. Prerequisite: Credit or registration for Chemistry 301 or 302H.

- **87980** MWF 1000 - 1130 RLM 232.904 MEHRY, M
- **87985** MWF 1000 - 1130 RLM 232.904 MEHRY, M

#### BIO 330T CELL BIOLOGY

Principles of eukaryotic cell structure and function, macromolecules, energetics, membranes, organelles, cytoskeleton, gene expression, signaling, division, differentiation, motility, and experimental methodologies. Prerequisite: Biology 325 or 325H with a grade of at least C-.

- **87970** MWF 1000 - 1130 BUR 136 POENIE, M
- **87975** MWF 1000 - 1130 BUR 136 POENIE, M

#### BIO 325 GENETICS

Basic principles of Mendelism, molecular genetics, structure and function of genes and chromosomal populations and evolution. Biology 325 and 325H may not both be counted. Prerequisite: Biology 311C and 311D with a grade of at least C- in each.

- **87980** MWF 1130 - 1300 WEL 2.260 SUNG, S
- **87985** MWF 1130 - 1300 WEL 2.260 SUNG, S

#### BIO 326L GENERAL MICROBIOLOGY LAB

Introduction to microbiology laboratory techniques and experimental demonstration of principles of microbiology. Prerequisite: Credit with a grade of at least C- or registration for Biology 328L or 328R (or 226R).

- **87800** MWF 1200 - 1330 WEL 2.266 HANIF, S
- **87995** MWF 1200 - 1330 BME 2.106 HANIF, S
- **88005** MWF 1200 - 1330 BME 2.204 HANIF, S

#### BIO 335K PRINCIPLES OF ANIMAL BEHAVIOR

An introduction to the study of animal behavior: descriptive analysis of behavior; physiological basis of behavior; development of behavior; adaptive significance and evolution of behavior; communication and social behavior. Prerequisite: Biology 325 or 325H with a grade of at least C-.

- **88010** MWF 1000 - 1130 ECJ 1.204 WALKER, J
- **88015** MWF 1000 - 1130 ECJ 1.204 WALKER, J

#### BIO 365S SYSTEMS PHYSIOLOGY

Overview of human physiology, including body fluids, the cardiovascular system, respiration, digestion, metabolism, and endocrinology. May not be counted by students with credit for Biology 416L. Prerequisite: Biology 311C, Biology 325 or 325H with a grade of at least C-. Chemistry 301 with a grade of at least C-; Chemistry 302 with a grade of at least C-; and one of the following with a grade of at least C-: Mathematics 408C, 408K, 408N, 408R, Statistics and Data Science 302, or (Statistics and Scientific Computation 302).

- **88020** MWF 830 - 1000 BUR 112 MACHART, J
- **88025** MWF 830 - 1000 BUR 112 MACHART, J
- **88030** MWF 830 - 1000 BUR 112 MACHART, J

#### BIO 165U SYSTEMS PHYSIOLOGY LABORATORY

Using a group-oriented approach, provides students with an opportunity for hands-on experience in human physiology. Students read primary scientific literature, collect, analyze, and present data; and write detailed reports on laboratory activities. May not be counted by students with credit for Biology 416L. Prerequisite: Biology 325 or 325H with a grade of at least C-; and credit or registration for Biology 365S.

- **88035** W 100 - 500 PAI 3.05 MACHART, J
- **88040** W 100 - 500 PAI 3.12 MACHART, J
<table>
<thead>
<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>BIO 370</td>
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<tr>
<td>EVOLUTION</td>
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<td>Introduction to modern evolutionary biology; focusing on the evolution of molecular, developmental, morphological, and behavioral traits. Genetic and ecological bases of evolutionary changes within populations and of evolutionary divergence in animals and plants. Biology 370 and 385K (Topic 2: Evolution) may not both be counted. Prerequisite: Biology 325 or 325H with a grade of at least C-. Credit. Prerequisite: Biology 325 or 325H with a grade of at least C-.</td>
<td>88040 MTWTHF 1000 - 1130 BOUR 208 BOUCHER, L</td>
<td>MW 1130 - 100P BIO 301</td>
<td>88045 MTWTHF 1000 - 1130 BOUR 208 BOUCHER, L</td>
<td>MW 100 - 230P BIO 301</td>
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<tr>
<td>BIO w177</td>
<td>UNDERGRADUATE RESEARCH</td>
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<td></td>
<td>fee: $44.23</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Up to six semester hours may be counted toward the major requirement for the Bachelor of Arts degree with a major in biology. Prerequisite: Biology 325 or 325H with a grade of at least C-, and written consent of instructor.</td>
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<tr>
<td>BIO 1277</td>
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<td>fee: $58.46</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Laboratory or field research in the various fields of biological sciencer such as the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirement for the Bachelor of Arts degree with a major in biology. Prerequisite: Biology 325 or 325H with a grade of at least C-, and written consent of instructor.</td>
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<td></td>
<td>fee: $58.46</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Laboratory or field research in the various fields of biological sciencer such as the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirement for the Bachelor of Arts degree with a major in biology. Prerequisite: Biology 325 or 325H with a grade of at least C-, and written consent of instructor.</td>
<td>88080</td>
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<tr>
<td>BIO 377</td>
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<td></td>
<td>fee: $132.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Laboratory or field research in the various fields of biological sciencer such as the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirement for the Bachelor of Arts degree with a major in biology. Prerequisite: Biology 325 or 325H with a grade of at least C-, and written consent of instructor.</td>
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<td>BIO 1379H</td>
<td>HONORS TUTORIAL COURSE</td>
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<td>fee: $132.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Original laboratory or field research project under the direction of a faculty mentor, leading to a thesis or research presentation for students in the honors program in biology. Prerequisite: Consent of the student's research supervisor and the departmental honors adviser.</td>
<td>88075</td>
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<tr>
<td>BIO w379H</td>
<td>HONORS TUTORIAL COURSE</td>
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<td>fee: $132.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Original laboratory or field research project under the direction of a faculty mentor, leading to a thesis or research presentation for students in the honors program in biology. Prerequisite: Consent of the student's research supervisor and the departmental honors adviser.</td>
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<tr>
<td>BIO w382</td>
<td>ADVANCED STUDY AND RESEARCH</td>
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<td>fee: $39.99</td>
<td>Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.</td>
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<td>BIO w698A</td>
<td>THESIS</td>
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<td>fee: $39.99</td>
<td>Offered on the credit/no credit basis only. For 698A, graduate standing in the School of Biological Sciences and consent of the graduate adviser; for 698B, Biology 699A or the equivalent.</td>
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<td>BIO w698B</td>
<td>THESIS</td>
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<td></td>
<td>fee: $39.99</td>
<td>Offered on the credit/no credit basis only. For 698A, graduate standing in the School of Biological Sciences and consent of the graduate adviser; for 698B, Biology 699A or the equivalent.</td>
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<tr>
<td>BIO w398R</td>
<td>MASTER'S REPORT</td>
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<td>fee: $39.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in the School of Biological Sciences and consent of the graduate adviser.</td>
<td>88100</td>
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<tr>
<td>BIO w399R</td>
<td>DISSERTATION</td>
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<td></td>
<td>fee: $39.99</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td>BIO w699R</td>
<td>DISSERTATION</td>
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<td></td>
<td>fee: $79.98</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<td></td>
<td>fee: $39.99</td>
<td>Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Biology 399R, 699R, 999R, or the equivalent.</td>
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<td>BIO w699W</td>
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<td></td>
<td>fee: $79.98</td>
<td>Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Biology 399R, 699R, 999R, or the equivalent.</td>
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<tr>
<td>BIO s31D</td>
<td>INTRODUCTORY BIOLOGY II</td>
<td>fee: $132.69</td>
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<td>Introduction to mechanisms of inheritance, evolution, physiology, and species interactions. Biology 30IL and 31D may not both be counted. Biology 301M and 31D may not both be counted.</td>
<td>88135 MTWTHF 1000 - 1130 WEL 2.256 LEVIN, D</td>
<td>MW 100 - 230P WEL 3.266</td>
<td>88140 MTWTHF 1000 - 1130 WEL 2.256 LEVIN, D</td>
<td>MW 230 - 400P WEL 3.266</td>
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<td>BIO s322</td>
<td>STRUC/PHYS/REPRO OF SEED PLANT</td>
<td>fee: $142.69</td>
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<td>The principles of structure and functioning of higher plants; special attention to the dynamics of growth and development and reproduction. Prerequisite: Biology 325 or 325H with a grade of at least C-, Chemistry 302 or 302H, and concurrent enrollment in Biology 122L.</td>
<td>88145 MTWTHF 830 - 1000 WEL 3.266 FULGINITI, R</td>
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<tr>
<td>BIO s122L</td>
<td>STRUC/PHYS/REPRO SEED PLANT LAB</td>
<td>fee: $63.23</td>
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<td>Observation of structure and reproduction in seed plants and employment of experimental techniques that demonstrate physiological processes, especially processes of growth and development. Prerequisite: Concurrent enrollment in Biology 325.</td>
<td>88150 TTH 1230 - 130P BIO 108 FULGINITI, R</td>
<td>88155 TTH 300 - 530P BIO 108 FULGINITI, R</td>
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<tr>
<td>BIO s325</td>
<td>GENETICS</td>
<td>fee: $132.69</td>
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<td>Basic principles of Mendelism, molecular genetics, structure and function of genes and chromosomes, populations and evolution. Biology 325 and 325H may not both be counted. Prerequisite: Biology 311C and 31D with a grade of at least C- in each.</td>
<td>88160 MTWTHF 1000 - 1130 CLA 0.102 LLOYD, A</td>
<td>TTH 830 - 1000 RLM 5.122</td>
<td>88165 MTWTHF 1000 - 1130 CLA 0.102 LLOYD, A</td>
<td>TTH 1130 - 100P RLM 5.122</td>
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<tr>
<td>BIO w170C</td>
<td>CONFERENCE COURSE</td>
<td>fee: $44.23</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit when the topics vary. Supervised study of selected topics in biology, by individual arrangement with the instructor. Some sections are offered on the pass/fail basis only; these are identified in the Course Schedule.</td>
<td>88170</td>
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<tr>
<td>BIO s270C</td>
<td>CONFERENCE COURSE</td>
<td>fee: $88.46</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in biology, by individual arrangement with the instructor. Some sections are offered on the pass/fail basis only; these are identified in the Course Schedule.</td>
<td>88175</td>
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<tr>
<td>BIO s370C</td>
<td>CONFERENCE COURSE</td>
<td>fee: $132.69</td>
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<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Supervised study of selected topics in biology, by individual arrangement with the instructor. Some sections are offered on the pass/fail basis only; these are identified in the Course Schedule.</td>
<td>88180</td>
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<tr>
<td>Course</td>
<td>Unique</td>
<td>Days</td>
<td>Time</td>
<td>Room</td>
<td>Instructor</td>
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<tr>
<td>Bio s177 Undergraduate Research</td>
<td>fee: $44.23</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit.</td>
<td>WEL 2.312</td>
<td>Lyon, D</td>
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</tr>
<tr>
<td>Bio s277 Undergraduate Research</td>
<td>fee: $88.46</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
<td></td>
</tr>
<tr>
<td>Bio s377 Undergraduate Research</td>
<td>fee: $132.69</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class.</td>
<td>WEL 5.146</td>
<td>Lyon, D</td>
<td></td>
</tr>
<tr>
<td>Bio s308t Current Concepts in Biology</td>
<td>fee: $39.99</td>
<td>Hour(s) to be arranged. With consent of instructor, may be repeated for credit when the topics vary.</td>
<td>WEL 2.312</td>
<td>Lyon, D</td>
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</tr>
<tr>
<td>Bio s182 Advanced Study and Research</td>
<td>fee: $13.33</td>
<td>Hour(s) to be arranged. May be repeated for credit.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Bio s282 Advanced Study and Research</td>
<td>fee: $26.66</td>
<td>Hour(s) to be arranged. May be repeated for credit.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Bio s282 Advanced Study and Research</td>
<td>fee: $39.99</td>
<td>Hour(s) to be arranged. May be repeated for credit.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Chemistry - CH</td>
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<tr>
<td>Ch i301 Principles of Chemistry I</td>
<td>fee: $131.89</td>
<td>Designed to accommodate 100 or more students. Chemistry 301 and 301H may not both be counted.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Ch w204 Intro to Chemical Practice</td>
<td>fee: $97.46</td>
<td>Additional hour(s) to be arranged. Introduction to the techniques of modern experimental chemistry.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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</tr>
<tr>
<td>CH w206K Undergraduate Research</td>
<td>fee: $90.46</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Ch w220c Organic Chemistry Laboratory</td>
<td>fee: $84.46</td>
<td>Additional hour(s) to be arranged. Only one of the following may be counted: Chemistry 210C, 110L, 116L, 220C, 128L.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Ch i320m Organic Chemistry I</td>
<td>fee: $126.89</td>
<td>Primarily for premedical, preclinical, and pharmacy majors. Development of organic structure, nomenclature, and reactivity. Only one of the following may be counted: Chemistry 610A, 310M, 316A, 320M, 328M.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>Ch i328m Organic Chemistry I-Engr Majs</td>
<td>fee: $126.89</td>
<td>Primarily for chemistry and chemical engineering majors. The development of organic structure, nomenclature, and reactivity. Only one of the following may be counted: Chemistry 610A, 310M, 316A, 320M, 328M.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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</tr>
<tr>
<td>Ch f431 Inorganic Chemistry</td>
<td>fee: $188.92</td>
<td>Survey of the chemistry of the elements, incorporating both descriptive and theoretical aspects. Open-ended experiments designed to illustrate a variety of synthetic techniques.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>CH f535 Physical Chemistry I</td>
<td>fee: $126.89</td>
<td>Equations of state, laws of thermodynamics, ideal and nonideal solutions, phase equilibria, thermodynamics of chemical reactions. Chemistry 353 and 353M may not both be counted.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
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<tr>
<td>CH f555 Fundamentals of Analytical Chemistry</td>
<td>fee: $193.92</td>
<td>Designed to accommodate 35 or fewer students. Chemical and instrumental methods in analytical chemistry.</td>
<td>WEL 5.134</td>
<td>Lyon, D</td>
<td></td>
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</tbody>
</table>
CH w398K

TECHNIQUES OF RESEARCH

fee: $132.69

Offered to be arranged. May be repeated for credit. Advanced laboratory practice and introduction to research. May be for a letter grade no more than twice. No more than six semester hours may be counted toward a degree in chemistry or biochemistry. Prerequisite: Eight semester hours of coursework in organic chemistry; and six semester hours of upper-division chemistry courses approved by the undergraduate adviser’s office, or consent of the undergraduate adviser in chemistry.

88415

CH w391

PROTON AND C13 SPECTROSCOPY

fee: $33.99

Course number may be repeated for credit when the topics vary. Topics include organic photochemistry; molecular orbital theory; free radical chemistry; organometallic compounds; nuclear magnetic resonance and mass spectrometry; organic synthesis. Prerequisite: Graduate standing and consent of instructor.

88420

MW

830 - 1000

WEL 2.256

SHOULDERS, B

CH 197C

PROBLEMS IN CHEMISTRY

fee: $11.33

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88425

CH w197C

PROBLEMS IN CHEMISTRY

fee: $11.33

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88430

CH w297C

PROBLEMS IN CHEMISTRY

fee: $22.66

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88435

CH 397C

PROBLEMS IN CHEMISTRY

fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88440

CH w397C

PROBLEMS IN CHEMISTRY

fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88445

CH w597C

PROBLEMS IN CHEMISTRY

fee: $56.65

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88450

CH w197P

PROBLEMS IN CHEMISTRY

fee: $13.33

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor.

88455

CH w297P

PROBLEMS IN CHEMISTRY

fee: $24.66

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor.

88460

CH w397P

PROBLEMS IN CHEMISTRY

fee: $35.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor.

88470

CH w597P

PROBLEMS IN CHEMISTRY

fee: $56.65

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor.

88475

CH w697P

PROBLEMS IN CHEMISTRY-UITEACH

fee: $67.98

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor. Restricted to students in the UTeach-Natural Sciences program.

88480

CH w698A

THESIS

fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in chemistry and consent of the graduate adviser; for 698B, Chemistry 698A.

88485

CH w698B

THESIS

fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in chemistry and consent of the graduate adviser; for 698B, Chemistry 698A.

88490

CH w398T

PROF DEV GRAD STDS CHEMISTRY

fee: $33.99

Offered on the credit/no credit basis only. Provides professional development skills to graduate students in chemistry. Subjects include excellence in teaching, scientific communication, grantmanship, ethics, and career planning. Restricted to graduate students in chemistry. Prerequisite: Graduate standing.

88495

MW

1100 - 100P

GDC 2.210

BRODBELT, J

CH w399R

DISSERTATION

fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

88500

CH w699R

DISSERTATION

fee: $67.98

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

88505

CH w399R

DISSERTATION

fee: $101.97

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

88510

CH w399W

DISSERTATION

fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: Chemistry 399R, 699R, or 999R.

88515

CH w699W

DISSERTATION

fee: $67.98

Offered on the credit/no credit basis only. Prerequisite: Chemistry 399R, 699R, or 999R.

88520

CH w399W

DISSERTATION

fee: $101.97

Offered on the credit/no credit basis only. Prerequisite: Chemistry 399R, 699R, or 999R.

88525

CH s302

PRINCIPLES OF CHEMISTRY II

fee: $131.69

Designed to accommodate 100 or more students. Development and application of concepts, theories, and laws underlying chemistry. Chemistry 302 and 302H may not both be counted. Prerequisite: Chemistry 101 or 101H with a grade of at least C- credit; or Chemistry 102 or 102H with a grade of at least C- in Mathematics 305G (or 505G) or Statistics and Data Sciences 302 (or Statistics and Scientific Computation 302); or credit with a grade of at least C- or registration for one of the following: Mathematics 408C, 408D, 408K, 409L, 409M, 408R, 408R.

88530

MTWTHF

830 - 1000

WEL 1.308

HUMPHREY, S

CH s320N

ORGANIC CHEMISTRY II

fee: $126.69

Primarily for premedical, predental, life sciences, and pharmacy majors. The development of organic chemical functional group reactivity, reaction mechanisms, with analogous aqueous transformations in biochemical settings. Only one of the following may be counted: Chemistry 210C or 220C, and the following coursework with a grade of at least C- in each: Chemistry 204 or 317; and 310M, 318M, 320M, or 328M. Meets with CH 322N.

88555

MTWTHF

830 - 1000

WEL 1.316

COLAPRET, J

CH s128L

ORGANIC CHEM LAB-ENGR MAJS

fee: $42.23

May not be counted by students with credit for Chemistry 210C or 220C. Only one of the following may be counted: Chemistry 110L, 118L, 128L. Prerequisite: Credit or registration for Chemistry 318N or 328N; and the following coursework with a grade of at least C- in each: Chemistry 118K or 128K; and 318N or 328M. Restricted to Chemical Engineering majors.

88540

TW

100 - 300P

WEL 4.224

FJETLAND, C

WTH

100 - 500P

NHB 1.128

CH s328N

ORGANIC CHEMISTRY II-ENGR MAJS

fee: $126.69

Primarily for chemistry and chemical engineering majors. The development of organic chemical reactivity, with an emphasis on synthesis and polymers. Only one of the following may be counted: Chemistry 610B, 310N, 618B, 318N, 320N, 328N. Prerequisite: Credit or registration for Chemistry 318N or 328N; and the following coursework with a grade of at least C- in each: Chemistry 318N or 328M, and 118K or 128K. Meets with CH 322N.

88545

MTWTHF

830 - 1000

WEL 1.316

COLAPRET, J

CH 608R

DUAL MD/PHD PROGRAM WITH UTMB

Hour(s) to be arranged. Preclinical medical study at the University of Texas Medical Branch at Galveston. May not be taken concurrently with another course at the University of Texas at Austin. Prerequisite: Graduate standing and admission to the MD/PhD dual degree program in medicine.

88550

CH s197C

PROBLEMS IN CHEMISTRY

fee: $11.33

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor and the graduate adviser.

88555

CH s397C

PROBLEMS IN CHEMISTRY

fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor.

88560


CH S397P PROBLEMS IN CHEMISTRY fee: $35.99 Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Prerequisite: Graduate standing in chemistry and consent of instructor. • 88658

DEPARTMENT OF COMPUTER SCIENCE

Computer Science - C S

C S W312 INTRODUCTION TO PROGRAMMING fee: $188.49 First part of a two-part sequence in Java programming. Fundamental concepts of structured programming; procedures and data structures with a focus on problem solving strategies and implementation; introduction to concepts of informal specification, informal reasoning about program behavior, debugging, and ad hoc testing. One of the following courses may be counted: Computer Science 303E, 305J, 312, 312H. Credit for Computer Science 312 may not be earned after a student has received credit for Computer Science 314 or 314H. Prerequisite: Credit with a grade of at least C- or registration for Mathematics 408C, 408K, or 408N. • 88618 MWF 1000 - 1130 PAI 3.02 MITRA, S

C S W314 DATA STRUCTURES fee: $188.49 Second part of a two-part sequence in Java programming. Introduction to specifications, simple unity testing, and debugging; building and using canonical data structures; algorithm analysis and reasoning techniques such as assertions and invariants. Only one of the following may be counted: Computer Science 307, 314, 314H, 315, 315H. Prerequisite: Computer Science 312 or 312H with a grade of at least C-. • 88620 MWTH 1000 - 1130 GDC 2.216 SCOTT, M T 1130 - 100P GDC 2.210 SCOTT, M • 88625 MWTH 1000 - 1130 GDC 2.210 SCOTT, M T 100 - 230P GDC 4.302 SCOTT, M • 88630 MWTH 1000 - 1130 GDC 2.216 SCOTT, M T 100 - 230P GDC 6.202 SCOTT, M

C S W429 COMP ORGANIZATN AND ARCH-C S fee: $251.32 An introduction to low-level computer design ranging from the basics of digital design to the hardware/software interface for application programs. Includes basic systems principles of pipelining and caching, and requires writing and understanding programs at multiple levels. Only one of the following may be counted: Computer Science 310, 310H, 429, 429H. Restricted to computer science majors. Prerequisite: The following courses with a grade of at least C-: Computer Science 311, 311H, 313H, or 313K, and Mathematics 408C, 408K, or 408N. • 88635 MW 500 - 800P GDC 2.216 GHEITH, A TTH 500 - 630P GDC 2.216 GHEITH, A

C S N354 COMPUTER GRAPHICS fee: $188.49 Introduction to techniques for human-machine communication through imagery. Subjects include display hardware, transformations, interactive techniques, geometric modeling, two- and three-dimensional display algorithms, graphics software systems architecture, and hidden-line and surface elimination. Projects are assigned and in-depth exploration is encouraged. Prerequisite: The following courses with a grade of at least C-: Computer Science 429 or 429H. Computer Science 105 (Topic: Computer Programming) C++, 371P, 372, or 378 (Topic: Generic Programming in the STL); Mathematics 408D, 408N, of 422L, and Mathematics 404L, 341, or Statistics and Data Sciences 320C (or Statistics and Scientific Computing 320C). • 88640 MTWHF 230 - 330P WEL 2.304 DICKERSON, R

C S I361 INTRO TO COMPUTER SECURITY fee: $188.49 An introduction to computer security, both in the abstract and in the context of real systems, including recognizing potential threats to confidentiality, integrity and availability, and developing familiarity with current security-related issues in computer science. Computer Science 361 and 378 (Topic: Introduction to Security) may not both be counted. Prerequisite: The following coursework with a grade of at least C- in each: Computer Science 311, 311H, 313H, or 313K; Computer Science 307, 314, 314H, 315, 315H; Computer Science 310, 310H, 429, or 429H; and Mathematics 408C, 408K, or 408N. • 88665 MTWHF 1000 - 1130 CLA 0.130 YOUNG, W

C S W370 UNDERGRAD READING AND RESEARCH fee: $188.49 Hour(s) to be arranged. Supervised study of selected problems in computer science, by individual arrangement with supervising instructor. No more than three semester hours may be counted toward a degree in computer science. Prerequisite: The following coursework with a grade of at least C- in each: Computer Science 311, 311H, 313H, or 313K; Computer Science 307, 314, 314H, 315, 315H; Computer Science 310, 310H, 429, or 429H; Mathematics 408C, 408K, or 408N; and consent of the undergraduate adviser. • 88655 • 88656

C S W379H COMPUTER SCIENCE HONORS THESIS fee: $188.49 Hour(s) to be arranged. Directed reading, research, and/or projects in areas of computer science, under supervision of a faculty member, leading to an honors thesis. The thesis must be approved by a committee of three readers. Prerequisite: The following coursework with a grade of at least C- in each: Computer Science 311, 311H, 313H, or 313K; Computer Science 314, 314H, 315, or 315H; Computer Science 310, 310H, 429, or 429H; Mathematics 408C, 408K, or 408N; nine additional semester hours of upper-division coursework in computer science; and consent of the student's research supervisor and the departmental honors adviser. • 88665

C S 1195 CONFERENCE COURSE fee: $31.93 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88670

C S W195 CONFERENCE COURSE fee: $31.93 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88685

C S I295 CONFERENCE COURSE fee: $63.86 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88690

C S W295 CONFERENCE COURSE fee: $63.86 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88695

C S I395 CONFERENCE COURSE fee: $95.79 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88700

C S W395 CONFERENCE COURSE fee: $95.79 Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. • 88705

C S W698A DISSERTATION fee: $95.79 Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in computer science and consent of the graduate adviser; for 698B, Computer Science 698A. • 88706

C S W698B DISSERTATION fee: $95.79 Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in computer science and consent of the graduate adviser; for 698B, Computer Science 698A. • 88710

C S W399R DISSERTATION fee: $95.79 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 88715

C S W699R DISSERTATION fee: $191.58 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 88730

C S W999R DISSERTATION fee: $287.37 Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. • 88750

C S W399W DISSERTATION fee: $59.79 Offered on the credit/no credit basis only. Prerequisite: Computer Science 399R, 699R, or 999R. • 88750

C S W699W DISSERTATION fee: $191.58 Offered on the credit/no credit basis only. Prerequisite: Computer Science 399R, 699R, or 999R. • 88730

101
HUMAN DEVELOPMENT AND FAMILY SCIENCES

SCHOOL OF HUMAN ECOLOGY

Human Development and Family Sciences - HDF
Human Ecology - H E
Nutrition - NTR
Textiles and Apparel - TXA

Dissertation Offered on the credit/no credit basis only. Prerequisite: Computer Science 399R, 699R, or 899R.
- 88740

Programming Languages
Survey of significant concepts underlying modern programming languages, including syntax, functions, expressions, types, polymorphism, assignment, procedures, pointers, encapsulation, classes, and inheritance, with some discussion of implementation issues. Prominent programming paradigms, such as sequential, concurrent, object-oriented, functional, and logic programming. Illustrative examples drawn from a variety of current languages. Computer Science 345 and 345H may not both be counted. Prerequisite: The following coursework with a grade of at least C- in each: Computer Science 311, 311H, 313H, or 331C; Computer Science 307, 314, 314H, 315, or 313H; Computer Science 310, 310H, 429, or 429H; and Mathematics 408C, 408K, or 408N.
- 88745

Conference Course
Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
- 88750

Conference Course
Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
- 88755

Conference Course
Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Some sections are offered on the credit/no credit basis only, and some are offered on the letter-grade basis only; these sections are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
- 88760

The process of family interaction over the life cycle. Application of research findings to the understanding of relationships. Only one of the following may be counted: Human Development and Family Sciences 304, 304H, Women's and Gender Studies 301 (Topic 4), same as WGS 301 (Topic 4).
- 88815

MTWTHF 100 - 230P CPE GLEASON, M

Motor, language, cognitive, social, and emotional development in the family context. Only one of the following may be counted: Human Development and Family Sciences 313, 313H, Women's and Gender Studies 301 (Topic 5), 313. Prerequisite: Credit or registration for Human Development and Family Sciences 113L, and Psychology 301 with grade of at least C-, same as WGS 313.
- 88820

MTWTHF 1130 - 1230P CPE SPERANZA, H

Explores ethical and philosophical issues, personal values and choices, professional development and leadership, and career goals, opportunities, and challenges as they relate to human development and family sciences. Restricted to human development and family sciences majors. Prerequisite: Upper-division standing and Human Development and Family Sciences 312 with a grade of at least C-.
- 88823

MTWTHF 200 - 330P BUR 220

- 88850

MTWTHF 1000 - 1100P CPE 2212 MANHEIMER, J

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences, or graduate standing and consent of instructor.
- 88855

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences, or graduate standing and consent of instructor.
- 88860

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences, or graduate standing and consent of instructor.
- 88865

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences, or graduate standing and consent of instructor.
- 88870

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences, or graduate standing and consent of instructor.
- 88875

Thesis Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in human development and family sciences and consent of the graduate adviser; for 699B, Human Development and Family Sciences 698A.
- 88875
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

HDF w999R

Dissertation
fee: $101.97
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

HDF w999W

Dissertation
fee: $111.97
Offered on the credit/no credit basis only. Prerequisite: Human Development and Family Sciences 399R, 699R, or 999R.

HDF w999W

Dissertation
fee: $77.98
Offered on the credit/no credit basis only. Prerequisite: Human Development and Family Sciences 399R, 699R, or 999R.

HDF s340

ETH/PHIL/PROFNSL DEVEL ISSUES
fee: $126.69
Explores ethical and philosophical issues; personal values and choices; professional development and leadership; and career goals, opportunities, and challenges as they relate to human development and family sciences. Restricted to human development and family sciences majors. Prerequisite: Upper-division standing and Human Development and Family Sciences 312 with a grade of at least C-.

HDF s355

PROBS CRS: CHILD DEV/FAM RELS
fee: $153.69
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for credit. Intensive study of selected problems of a transdisciplinary nature. Prerequisite: Upper-division standing; a University grade point average of at least 2.00; the following coursework with a grade of at least C- in each course: Human Development and Family Sciences 304, 313, 313L, and 315L, Mathematics 408C or 408N, Psychology 301, and Statistics and Scientific Computation 302; and consent of instructor. Admission by application only, filed with the Department of Human Development and Family Sciences by May 1 for enrollment in the following spring semester, or by December 1 for enrollment in the following fall semester; or consent of instructor. For nonmajors, the application process and prerequisites may be waived by consent of instructor.

HDF s392

RSCH PROB: CHILDREN & POVERTY
fee: $59.99
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences or graduate standing and consent of instructor.

HDF s392

RSCH PROB: LIFE CYCLE ATTACHMT
fee: $59.99
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences or graduate standing and consent of instructor.

HDF w398A

THESIS
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in nutrition and consent of the graduate adviser; for 699B, Human Development and Family Sciences 698A.

HDF w399R

Dissertation
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

HDF w999R

Dissertation
fee: $67.98
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

HDF s392

RSCH PROB: PARENT REPARTNERING
fee: $59.99
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences or graduate standing and consent of instructor.

HDF s355

PROBS CRS: CHILD DEV/FAM RELS
fee: $153.69
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for credit. Intensive study of selected problems of a transdisciplinary nature. Prerequisite: Upper-division standing; a University grade point average of at least 2.00; the following coursework with a grade of at least C- in each course: Human Development and Family Sciences 304, 313, 313L, and 315L, Mathematics 408C or 408N, Psychology 301, and Statistics and Scientific Computation 302; and consent of instructor. Admission by application only, filed with the Department of Human Development and Family Sciences by May 1 for enrollment in the following spring semester, or by December 1 for enrollment in the following fall semester; or consent of instructor. For nonmajors, the application process and prerequisites may be waived by consent of instructor.

HDF w398A

THESIS
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in nutrition and consent of the graduate adviser; for 699B, Human Development and Family Sciences 698A.

HDF w999R

Dissertation
fee: $77.98
Offered on the credit/no credit basis only. Prerequisite: Human Development and Family Sciences 399R, 699R, or 999R.

HDF w999W

Dissertation
fee: $126.69
Offered on the credit/no credit basis only. Prerequisite: Human Development and Family Sciences 399R, 699R, or 999R.

HDF s340

ETH/PHIL/PROFNSL DEVEL ISSUES
fee: $126.69
Explores ethical and philosophical issues; personal values and choices; professional development and leadership; and career goals, opportunities, and challenges as they relate to human development and family sciences. Restricted to human development and family sciences majors. Prerequisite: Upper-division standing and Human Development and Family Sciences 312 with a grade of at least C-.

HDF s355

PROBS CRS: CHILD DEV/FAM RELS
fee: $153.69
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for credit. Intensive study of selected problems of a transdisciplinary nature. Prerequisite: Upper-division standing; a University grade point average of at least 2.00; the following coursework with a grade of at least C- in each course: Human Development and Family Sciences 304, 313, 313L, and 315L, Mathematics 408C or 408N, Psychology 301, and Statistics and Scientific Computation 302; and consent of instructor. Admission by application only, filed with the Department of Human Development and Family Sciences by May 1 for enrollment in the following spring semester, or by December 1 for enrollment in the following fall semester; or consent of instructor. For nonmajors, the application process and prerequisites may be waived by consent of instructor.

HDF s392

RSCH PROB: CHILDREN & POVERTY
fee: $59.99
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences or graduate standing and consent of instructor.

HDF s392

RSCH PROB: LIFE CYCLE ATTACHMT
fee: $59.99
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Directed research in various topics in the area of human development and family sciences. Prerequisite: Graduate standing in human development and family sciences or graduate standing and consent of instructor.

HDF w398A

THESIS
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in nutrition and consent of the graduate adviser; for 699B, Human Development and Family Sciences 698A.
NTR w698B

THESIS

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in nutrition and consent of the graduate adviser, for 698B, Nutrition 698A.

- 89060

NTR w398R

MASTER'S REPORT

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master's degree under the report option. Prerequisite: Graduate standing in nutrition and consent of the supervising professor.

- 89065

NTR w399R

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 89070

NTR w699R

DISSERTATION

Fee: $67.98

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 89075

NTR w399W

DISSERTATION

Fee: $101.97

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 89080

NTR s326

CELLULAR & MOLECULAR NUTRITION

Fee: $126.69

Additional hour(s) to be arranged. Integration of nutrition, genetics, cell biology, and molecular biology. Focuses on the cellular and molecular basis of nutrition-related diseases and nutrient-genie interactions. Prerequisite: The following coursework with a grade of at least C- in each course: Biology 311C, and Nutrition 312 or 312H; and credit or registration for Chemistry 320M, and Nutrition 320 or 320H.

- 89100 MTWTH 100 - 230P BUR 224 JOLLY, C
- 89105 MTWTH 300 - 400P BIO 301
- 89110 MTWTH 400 - 500P BIO 301 JOLLY, C

NTR s355

UNDERGRAD RSCH IN NUTRITION

Fee: $126.69

Hour(s) to be arranged. Supervised individual undergraduate research in nutrition. May be repeated for credit, but no more than four semester hours may be counted toward a degree in nutrition. Any additional hours must be taken on the pass/fail basis. Nutrition 355 and 355H may not both be counted. Prerequisite: Consent of instructor.

- 89110

NTR s355H

HONORS RESEARCH

Fee: $126.69

Hour(s) to be arranged. Research in biological, biochemical, or nutritional sciences, coordinated with readings of scientific literature, and a written research report for each seminar in which credit is sought. Nutrition 355 and 355H may not both be counted. May be repeated for credit, but no more than nine semester hours may be counted toward the major in nutrition. Any additional hours must be taken on the pass/fail basis. Restricted to honors eligible majors in nutritional sciences, biology, biochemistry, and students in the Dean's Scholars Honors Program. Prerequisite: Biology 325 or 326H, Nutrition 312H and 312H, and approval of research supervisor.

- 89115

NTR s392

RSCH PROBS IN NUTRITIONAL SCI

Fee: $33.99

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor.

- 89120

TXA w352D

FIELD EXPER IN APPAREL DESIGN

Fee: $186.69

Hour(s) to be arranged. Application of apparel design techniques and principles in a professional environment. Prerequisite: Admission to the Apparel Design Internship Program, and Textiles and Apparel 164K (Topic 1: Flat Pattern) and 264L (Topic 1: Flat Pattern) with a grade of at least C- in each.

- 99175

TXA w698B

THESIS

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in textile and apparel technology and consent of the graduate adviser; for 698B, Textiles and Apparel 698A.

- 89190

DEPARTMENT OF MARINE SCIENCE

Marine Science - MNS

NTR s152S

UNDERGRAD SMNR IN MARINE SCI

Fee: $42.23

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Guest lectures by local and visiting research scientists on a variety of topics in marine and environmental science. Each seminar is followed by a separate one-hour discussion to give students an opportunity to meet directly with the scientist. May be counted toward the Bachelor of Science in Biology (Option III: Marine and Freshwater Biology) and toward other undergraduate degrees in biology.

- 89235 F 100 - 200P S06 201C HARDISON, A

MNS f152T

BIOGCL SOQLS IN ESTURN SDMTS

Fee: $42.23

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Advanced research topics in marine science relevant to critical habitats, organisms, or processes. A field oriented course with weekend field trips on the Texas coast, including pre- and post-field trip laboratory hours. May be counted toward the Bachelor of Science in Biology (Option III: Marine and Freshwater Biology) and toward other undergraduate degrees in biology. Prerequisite: Upper-division standing and six semester hours of coursework in biology, chemistry, geological sciences, and/or physics. Taught at the Marine Science Institute in Port Aransas, Texas. Class meets June 18, 25, 29, and 30.

- 89237 LILL, Z

COASTAL WATERSHEDS

Fee: $42.23

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Advanced research topics in marine science relevant to critical habitats, organisms, or processes. A field oriented course with weekend field trips on the Texas coast, including pre- and post-field trip laboratory hours. May be counted toward the Bachelor of Science in Biology (Option III: Marine and Freshwater Biology) and toward other undergraduate degrees in biology. Prerequisite: Upper-division standing and six semester hours of coursework in biology, chemistry, geological sciences, and/or physics. Taught at the Marine Science Institute in Port Aransas, Texas. Class meets June 11, 12, 19, and 26.

- 89238 MCCLELLAND, J

MNS f353

MARINE CONSERVATION BIOLOGY

Fee: $126.69

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Prerequisite: Upper-division standing and consent of instructor.

- 89240 MTWF 300 - 500P S06 201C SHANK, G

MNS f170

SPECIAL STDS IN MARINE SCIENCE

Fee: $42.23

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual instruction and research in marine science field and laboratory techniques. Prerequisite: Six semester hours of upper-division coursework in science, a University grade point average of at least 3.00, and written consent of instructor. Taught at the Marine Science Institute in Port Aransas, Texas.

- 89243

MNS f270

SPECIAL STDS IN MARINE SCIENCE

Fee: $54.46

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. May be repeated for credit. Supervised individual instruction and research in marine science field and laboratory techniques. Prerequisite: Six semester hours of upper-division coursework in science, a University grade point average of at least 3.00, and written consent of instructor. Taught at the Marine Science Institute in Port Aransas, Texas.

- 89245

MNS f380

RESEARCH IN MARINE SCIENCE

Fee: $41.99

Hour(s) to be arranged. May be repeated for credit. Restricted to students in marine science. Prerequisite: Graduate standing and consent of instructor and the graduate adviser. Taught at the Marine Science Institute in Port Aransas, Texas.

- 89250

MNS w383

BIOSTATS/BIOINFORMATICS

Fee: $53.99

Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing and consent of instructor. Taught at the Marine Science Institute in Port Aransas, Texas.

- 89255 MW 900 - 1000 S06 3.128 BAKER, B

MNS w698A

THESIS

Fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in marine science and consent of the graduate adviser; for 698B, Marine Science 698A.

- 89260

MNS w698B

THESIS

Fee: $33.99

Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in marine science and consent of the graduate adviser; for 698B, Marine Science 698A.
MNS w399R DISSECTIO MNS W399R DISSECTIO MNS w399R DISSECTIO MNS w399W DISSECTIO MNS w399W DISSECTIO MNS s170 SPECIAL STDS IN MARINE MNS s270 SPECIAL STDS IN MARINE MNS s370 SPECIAL STDS IN MARINE MNS s180 RESEARCH IN MARINE MNS s380 RESEARCH IN MARINE

### DEPARTMENT OF MATHEMATICS

**Actuarial Foundations - ACF**

**Mathematics - M**

**M w408L INTEGRAL CALCULUS**

*fee: $123.60*

Introduction to the theory and applications of integral calculus of functions of one variable; topics include integration, the fundamental theorem of calculus, transcendental functions, sequences, and infinite series. Only one of the following may be counted: Mathematics 403L, 408L, 408M (or 308M). Current sections of this course are designated as advanced placement or honors sections; they are restricted to students who have scored well on the Advanced Placement Calculus BC exam or have the consent of the mathematics adviser. Prerequisite: Mathematics 408C, 408L, or 408S with a grade of at least C-.

- **89390 MWF 1000 - 1100 CPE 2.208**
- **89395 MWF 1000 - 1100 CPE 2.208**

**M 325K DISCRETE MATHEMATICS**

*fee: $92.70*

Provides a transition from the problem-solving approach of Mathematics 408C and 408D to the rigorous approach of advanced courses. Subjects include logic, set theory, relations and functions, combinatorics, and graph theory and graph algorithms. Prerequisite: Mathematics 408D, 408L, or 408S with a grade of at least C-.

- **89400 MTWTHF 1000 - 1130 RLM 7.104**

**M w427K ADV CALCULUS FOR APPLICATIONS I**

*fee: $123.60*

Ordinary and partial differential equations and Fourier series. Prerequisite: Mathematics 408C, 408K, or 408N with a grade of at least C-.

- **89405 MTWTHF 1000 - 1130 CPE 2.214**

**M 340L MATRICES AND MATRIX CALCULATIONS**

*fee: $92.70*

Techniques of matrix calculations and applications of linear algebra. Mathematics 340L and 341 may not both be counted. Restricted to nonmathematics majors. Prerequisite: Mathematics 408C, 408K, or 408N with a grade of at least C-.

- **89410 MTWTHF 1000 - 1130 CPE 2.204**

**M 565K APPLIED STATISTICS**

*fee: $92.70*

Exploratory data analysis, correlation and regression, data collection, sampling distributions, confidence intervals, and hypothesis testing. Prerequisite: Mathematics 362K with a grade of at least C-.

- **89415 MTWTHF 1130 - 1300 RLM 6.104**

**M 681K INTRODUCTION TO REAL ANALYSIS**

*fee: $92.70*

A rigorous treatment of the real number system, of real sequences, and of limits, continuity, derivatives, and integrals of real-valued functions of one real variable. Students who have received a grade of C- or better in Mathematics 365C may not take Mathematics 361K. Prerequisite: Consent of the undergraduate adviser, or two of the following courses with a grade of at least C- in each: Mathematics 329K or Philosophy 358K, Mathematics 341.

- **89420 MTWTHF 830 - 1000 RLM 5.116**

**M 692K PROBABILITY I**

*fee: $92.70*

An introduction to the mathematical theory of probability, fundamental to further work in probability and statistics, includes basic probability properties, conditional probability and independence, various discrete and continuous random variables, expectation and variance, central limit theorem, and joint probability distributions. Mathematics 362K and Statistics and Scientific Computation 321 may not both be counted. Prerequisite: Mathematics 403L, 408L, or 408S with a grade of at least C-.

- **89425 MTWTHF 1000 - 1200 RLM 5.104**

**M 717 CONFERENCE COURSE**

*fee: $30.90*

Hour(s) to be arranged. May be repeated for credit. Supervised study in mathematics, with hours to be arranged. Prerequisite: Upper-division standing.

- **89430**

**M 725 CONFERENCE COURSE**

*fee: $61.80*

Hour(s) to be arranged. May be repeated for credit. Supervised study in mathematics, with hours to be arranged. Prerequisite: Upper-division standing.

- **89435**

**M 99C CONFERENCE COURSE IN ANALYSIS**

*fee: $33.99*

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included measure and integration, real variables, complex analysis, functional analysis, ordinary differential equations, partial differential equations, integral transforms, operator theory, approximation theory, abstract harmonic analysis. Some sections are offered on the credit/no credit basis only. Prerequisite: Upper-division standing.

- **89440**
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<thead>
<tr>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
<th>Course</th>
<th>Unique</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1392C</td>
<td>CONFERENCE COURSE IN TOPOLOGY</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included algebraic topology, differential topology, geometric topology, Lie groups. Some sections are offered on the credit/no credit basis; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.</td>
<td>M1393C</td>
<td>CONF COURSE IN APPLIED MATH</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included quantum mechanics, statistical physics, ergodic theory, group representations, statistical mechanics, quantum field theory, introductory partial differential equations, monotone operators and partial differential equations, Hilbert space methods for partial differential equations, Hamiltonian dynamics, nonlinear functional analysis, Euler and Navier-Stokes equations, microlocal calculus and spectral asymptotics, calculus of variations. Some sections are offered on the credit/no credit basis; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.</td>
<td>M1394C</td>
<td>CONF CRS IN PROBABIL AND STAT</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included nonparametric statistics, advanced probability. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.</td>
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</table>
Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89570

M s392C
CONFERENCE COURSE IN TOPOLOGY
fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included algebraic topology, differential topology, geometric topology, Lie groups. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89570

M s393C
CONF COURSE INapplied MATH
fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included nonparametric statistics, advanced probability. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89580

M s394C
CONF CRS IN PROBABIL AND STAT
fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included nonparametric statistics, advanced probability. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89590

M s395C
CONF CRS IN LOGIC AND FOUNDS
fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included set theory, model theory, proof theory, automatic theorem proving, automatic theorem proving, foundations of mathematics, recursion theory. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89600

M s396C
CONFERENCE COURSE IN MATH
fee: $33.99

Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Recent topics have included set theory, history of mathematics. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89650

TOPICS IN MATHMETICS
fee: $33.99

Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Recent topics have included set theory, history of mathematics. Some sections are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

- 89650

DEPARTMENT OF MOLECULAR BIOSCIENCES

Biochemistry - BCH
Molecular Biology - MOL
Public Health - PBH
Systems and Synthetic Biology - SSB

BCH w369K
TECHNIQUES OF RESEARCH
fee: $126.69

Hour(s) to be arranged. May be repeated for credit. Advanced laboratory practice and introduction to research. May be taken for a letter grade no more than twice. No more than six semester hours may be counted toward a degree in biochemistry. Prerequi-
<table>
<thead>
<tr>
<th>Course</th>
<th>Unique Course</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOL w399R</td>
<td>DISSERTATION</td>
<td>fee: $33.99</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Molecular Biology 399R, 699R, or 999R.</td>
<td>98900</td>
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<tr>
<td>MOL w699W</td>
<td>DISSERTATION</td>
<td>fee: $67.98</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Molecular Biology 399R, 699R, or 999R.</td>
<td>98905</td>
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<tr>
<td>MOL w999W</td>
<td>DISSERTATION</td>
<td>fee: $101.97</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Molecular Biology 399R, 699R, or 999R.</td>
<td>98910</td>
<td></td>
</tr>
<tr>
<td>MOL s392</td>
<td>RESEARCH PROBLEMS</td>
<td>fee: $33.99</td>
<td>Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.</td>
<td>98915 DIGIOVANNI, J</td>
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</tbody>
</table>

**NEUROSCIENCE**

**NEUROSCIENCE - NEU**

**NEU w177** UNDERGRADUATE RESEARCH Hour(s) to be arranged. May be repeated for credit. Laboratory or research in the various fields of neuroscience under the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirements for the Bachelor of Science in Neuroscience. Prerequisite: Neuroscience 330 or Biology 365R with a grade of at least B-; and written consent of the instructor. | 98970 |

**NEU w277** UNDERGRADUATE RESEARCH Hour(s) to be arranged. May be repeated for credit. Laboratory or research in the various fields of neuroscience under the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirements for the Bachelor of Science in Neuroscience. Prerequisite: Neuroscience 330 or Biology 365R with a grade of at least B-; and written consent of the instructor. | 98975 |

**NEU w377** UNDERGRADUATE RESEARCH Hour(s) to be arranged. May be repeated for credit. Laboratory or research in the various fields of neuroscience under the supervision of one or more faculty members. Up to three semester hours may be counted toward the major requirements for the Bachelor of Science in Neuroscience. Prerequisite: Neuroscience 330 or Biology 365R with a grade of at least B-; and written consent of the instructor. | 98980 |

**NEU w080M** DUAL MD/PHD PROGRAM WITH UTMB Hour(s) to be arranged. Preclinical medical study at the University of Texas Medical Branch at Galveston. May not be taken concurrently with another course at the University of Texas at Austin. Prerequisite: Graduate standing and admission to the MD/PHD dual degree program in neuroscience. Taught at the University of Texas Medical Branch at Galveston, Texas. | 98985 |

**NEU w290** RESEARCH Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and fifteen semester hours of coursework in neuroscience; students must contact the Neuroscience Graduate Studies Office before registering. | 98990 |

**NEU w390** RESEARCH Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and fifteen semester hours of coursework in neuroscience; students must contact the Neuroscience Graduate Studies Office before registering. | 98995 |

**NEU w698A** THESIS Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in neuroscience and consent of graduate adviser; for 699A, Neuroscience 698A. | 98990 |

**NEU w698B** THESIS Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in neuroscience and consent of graduate adviser; for 699B, Neuroscience 698A. | 98995 |

**NEU w399R** DISSERTATION Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | 99910 |

**NEU w699R** DISSERTATION Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree. | 99915 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Unique Course</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>NEU w999R</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.</td>
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<tr>
<td>NEU w399W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Neuroscience 399R, 699R, or 999R.</td>
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<td>NEU w699W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Neuroscience 399R, 699R, or 999R.</td>
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<td>NEU w999W</td>
<td>DISSERTATION</td>
<td>Offered on the credit/no credit basis only. Prerequisite: Neuroscience 399R, 699R, or 999R.</td>
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<tr>
<td>NEU s390</td>
<td>RESEARCH</td>
<td>Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and fifteen semester hours of coursework in neuroscience; students must contact the Neuroscience Graduate Studies Office before registering. Restricted to PhD/MD students in neuroscience.</td>
<td>98940</td>
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</tbody>
</table>

**PHYSICAL SCIENCE**

**Physical Science - P S**

**P S 5004** INTRO PHYS SCI II: EL/LLIGHT/OPT | fee: $136.69 |

Inquiry laboratory approach to electricity, magnetism, waves, light, and optical instruments. May not be counted toward a degree in the College of Natural Sciences. | 98995 TTH 1000 - 1200 RLM 8.314 |

• 98990 TTH 1200 - 2000 RLM 8.314 |

**P S 5003** INTRO PHYS SCI I: MECH & HEAT | fee: $136.69 |

Inquiry laboratory approach to basic concepts of measurement, forces, motion, energy, temperature, and heat. May not be counted toward a degree in the College of Natural Sciences. Designed for students with minimum prior preparation in mathematics and physics. Especially appropriate for prospective elementary school teachers. | 90005 TTH 800 - 1000 RLM 8.318 |

• 90010 TTH 1000 - 1200 RLM 8.322 |

• 90015 TTH 1200 - 2000 RLM 8.318 |

• 90020 TTH 200 - 400 RLM 8.318 |

**DEPARTMENT OF PHYSICS**

**Physics - PHY**

**PHY n302K** GEN PHY-TECH CRS-MECH-HEAT/SND | fee: $135.69 |

Non-calculus technical course in physics. Only one of the following may be counted without prior approval of the department: Physics 301, 302K, 303K, 309K, 317K. Prerequisite: High school trigonometry or Mathematics 305G; and credit with a grade of at least C- or registration for Physics 102M. | 90075 TTH 1000 - 1130 PAI 2.48 YAO, Z |

**PHY n102M** LABORATORY FOR PHY 302K | fee: $54.23 |

Only one of the following may be counted without prior approval of the department: Physics 101L, 102M, 103M, 117M. May not be counted toward a degree unless prerequisite is observed. Prerequisite: Credit with a grade of at least C- or registration for Physics 302K. | 90080 MW 800 - 1000 RLM 8.202 REICHL, L |

• 90085 MW 1200 - 2000 RLM 8.202 REICHL, L |

• 90090 MW 200 - 400 RLM 8.202 REICHL, L |

• 90095 MW 400 - 600 RLM 8.202 REICHL, L |

• 90100 MW 600 - 800 RLM 8.202 REICHL, L |

**PHY n102N** LABORATORY FOR PHY 302L | fee: $54.23 |

Only one of the following may be counted without prior approval of the department: Physics 102N, 103N, 116L, 117M. May not be counted toward a degree unless prerequisite is observed. Prerequisite: Credit with a grade of at least C- or registration for Physics 302L. | 90105 TTH 800 - 1000 RLM 8.202 HOFFMANN, G |

• 90110 TTH 200 - 400 RLM 8.202 HOFFMANN, G |

• 90115 TTH 400 - 600 RLM 8.202 HOFFMANN, G |

• 90120 TTH 600 - 800 RLM 8.202 HOFFMANN, G |

**PHY n302K** ENGINEERING PHYSICS I | fee: $135.69 |

Additional hour(s) to be arranged. A general survey of physics; primarily laws of motion, heat, and wave phenomena. Only one of the following may be counted without prior approval of the department: Physics 301, 302K, 303K, 309K, 317K. Prerequisite: High school physics or consent of the undergraduate adviser; Mathematics 408C with a grade of at least C-; Mathematics 408B with a grade of at least C- and registration.
for 408L, or Mathematics 408N with a grade of at least C- and registration for 408S; and credit with a grade of at least C- or registration for Physics 103M. Mandatory Exams 7pm-9pm Tuesdays, June 16, June 30, and July 14.
  - 0025 MTWTHF 100 - 230P PAI 2.48 TSON, M

**PHY n303L ENGINEERING PHYSICS II**
fee: $135.69
Additional hour(s) to be arranged. Electricity and magnetism, optics, and atomic phenomena. Only one of the following may be counted without prior approval of the department: Physics 302L, 303L, 309L, 316, 317L. Prerequisite: The following coursework with a grade of at least C- in each: Mathematics 408D, Physics 303K, and 103M; Mathematics 408L with a grade of at least C- and registration for 408M, or Mathematics 408S with a grade of at least C- and registration for 408N; and credit with a grade of at least C- or registration for Physics 103N. Mandatory Exams 7pm-9pm Tuesdays, June 16, June 30, and July 14.
  - 0010 MTWTHF 100 - 230P PAI 4.42 TURNER, J

**PHY n103M LABORATORY FOR PHY 303K**
fee: $54.23
Only one of the following may be counted: Physics 101L, 102M, 103M, 117M. May not be counted toward a degree unless prerequisite is observed. Prerequisite: Credit with a grade of at least C- or registration for Physics 303K.
  - 00135 MW 100 - 100P RLM 9.316 TSON, M
  - 00140 MW 1000 - 1200 RLM 9.316 TSON, M
  - 00145 MW 1000 - 100P RLM 9.316 TSON, M

**PHY n103N LABORATORY FOR PHY 303L**
fee: $54.23
Only one of the following may be counted: Physics 102N, 103N, 116L, 117N. May not be counted toward a degree unless prerequisite is observed. Prerequisite: Credit with a grade of at least C- or registration for Physics 303L.
  - 00150 TTH 1000 - 1200 RLM 9.320 TURNER, J
  - 00155 TTH 1000 - 1200 RLM 9.320 TURNER, J
  - 00160 TTH 1200 - 1200 RLM 9.320 TURNER, J
  - 00165 TTH 1000 - 1200 RLM 9.320 TURNER, J

**PHY f108 INTRODUCTION TO RESEARCH**
fee: $42.23
Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Introductory laboratory experience; use of tools and test equipment; beginning apprenticeship in active physics research. Prerequisite: Consent of instructor and approval of an undergraduate adviser.

**PHY n317K GENERAL PHYSICS I**
fee: $135.69
Mechanics, heat, and sound, with biomedical applications. An introductory course designed and recommended primarily for premedical students and others in the biomedical sciences whose professional or preprofessional training includes an introductory course in calculus. Only one of the following may be counted without prior approval of the department: Physics 301, 302K, 303K, 309K, 317K. May not be counted toward the Bachelor of Science in Astronomy or Bachelor of Science in Physics. Satisfies most medical and dental school requirements for physics. Prerequisite: High school physics or consent of the undergraduate adviser; Mathematics 408C with a grade of at least C-, Mathematics 408K with a grade of at least C- and registration for 408L, or Mathematics 408N with a grade of at least C- and registration for 408S; and credit with a grade of at least C- or registration for Physics 117M.
  - 00170 MTWTHF 1100 - 100P PAI 2.48

**PHY n117M LABORATORY FOR PHY 317K**
fee: $54.23
Additional hour(s) to be arranged. Only one of the following may be counted without prior approval of the department: Physics 101L, 102M, 103M, 117M. Prerequisite: Credit with a grade of at least C- or registration for Physics 317K.
  - 00175 M 100 - 400P RLM 8.210
  - 00180 W 100 - 400P RLM 8.210
  - 00185 T 200 - 500P RLM 8.210

**PHY f353L MODERN PHYSICS LABORATORY**
fee: $126.69
Laboratory experiments investigating the breakdown of classical physics for microscopic phenomena. Includes absorption and emission spectra, the photoelectric effect, blackbody radiation, the Compton effect, X-ray diffraction, and other experiments in modern physics. Prerequisite: The following coursework with a grade of at least C- in each: Physics 315 and 115L.
  - 00190 MTWTH 100 - 1130 RLM 7.302 SITZ, G
  - 00195 MTWTH 1000 - 400P RLM 7.302 SITZ, G

**PHY f370C INDIVIDUAL STUDY IN PHYSICS**
fee: $126.69
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Supervised reading or research in physics. Some sections are offered on the pass/fail basis only. Prerequisite: Physics 338K with a grade of at least C-, credit with a grade of at least C- or registration for Physics 352K, and consent of the undergraduate adviser.
  - 00200

**PHY f670TA SENIOR THESIS**
fee: $126.69
Hour(s) to be arranged. Individual research with faculty supervision. First half involves preparation of proposal; second involves completion of written thesis. Only three semester hours may be counted toward the Bachelor of Science in Physics degree. Prerequisite: Upper-division standing and nine semester hours of upper-division coursework in physics.
  - 00205

**PHY f379H HONORS TUTORIAL COURSE**
fee: $131.69
Hour(s) to be arranged. Research project, resulting in a thesis, for outstanding students electing to take the honors program in physics. Prerequisite: A University grade point average of at least 3.0, a grade point average in physics of at least 3.50, twelve semester hours of upper-division coursework in physics, and consent of the student's research supervisor and the departmental honors adviser.
  - 00210

**PHY n380N EXPERIMENTAL PHYSICS**
fee: $33.99
Additional hour(s) to be arranged. Experimental work to provide exposure to physics research techniques. Prerequisite: Graduate standing and concurrent enrollment in Physics 390.
  - 00215 MW 900 - 530P RLM 5.122 DE LOZANNE, A

**PHY w190 GRADUATE RESEARCH**
fee: $13.33
Hour(s) to be arranged. May not be counted toward the master's degree in physics. Prerequisite: Graduate standing, and written consent of instructor filed with the graduate adviser.

**PHY w290 GRADUATE RESEARCH**
fee: $24.66
Hour(s) to be arranged. May not be counted toward the master's degree in physics. Prerequisite: Graduate standing, and written consent of instructor filed with the graduate adviser.

**PHY f390 GRADUATE RESEARCH**
fee: $35.99
Hour(s) to be arranged. May not be counted toward the master's degree in physics. Prerequisite: Graduate standing, and written consent of instructor filed with the graduate adviser.
  - 00320

**PHY w390 GRADUATE RESEARCH**
fee: $71.98
Hour(s) to be arranged. May not be counted toward the master's degree in physics. Prerequisite: Graduate standing, and written consent of instructor filed with the graduate adviser.
  - 00325

**PHY w698A THESIS**
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in physics and written consent of the supervising professor filed with the graduate adviser; for 698B, Physics 698A.

**PHY w698B THESIS**
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in physics and written consent of the supervising professor filed with the graduate adviser; for 698B, Physics 698A.
  - 00240

**PHY w999R DISSERTATION**
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of instructor filed with the graduate adviser.
  - 00260

**PHY w999W DISSERTATION**
fee: $67.98
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of instructor filed with the graduate adviser.
  - 00295

**PHY w999R DISSERTATION**
fee: $101.97
Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and written consent of instructor filed with the graduate adviser.
  - 00260

**PHY w999W DISSERTATION**
fee: $33.99
Offered on the credit/no credit basis only. Prerequisite: Physics 399R, 699R, or 999R, and written consent of instructor filed with the graduate adviser.
  - 00265

**PHY w699R DISSERTATION**
fee: $67.98
Offered on the credit/no credit basis only. Prerequisite: Physics 399R, 699R, or 999R, and written consent of instructor filed with the graduate adviser.
  - 00270

**PHY w999W DISSERTATION**
fee: $101.97
Offered on the credit/no credit basis only. Prerequisite: Physics 399R, 699R, or 999R, and written consent of instructor filed with the graduate adviser.
  - 00275

**PHY s108 INTRODUCTION TO RESEARCH**
fee: $42.23
Hour(s) to be arranged. Offered on the pass/fail basis only. May be repeated for credit. Introductory laboratory experience; use of tools and test equipment; beginning apprenticeship in active physics research. Prerequisite: Consent of instructor and approval of an undergraduate adviser.
  - 00280

**PHY s370C INDIVIDUAL STUDY IN PHYSICS**
fee: $126.69
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Supervised reading or research in physics. Some sections are offered on the
DIVISION OF STATISTICS AND SCIENTIFIC COMPUTATION

Statistics and Data Sciences - SDS

SDS f321 INTRO TO PROBABL & STATISTICS
Covers fundamentals of probability, combinatorics, discrete and continuous random variables, jointly distributed random variables, and limit theorems. Using probability to introduce fundamentals of statistics, including Bayesian and classical inference. Only one of the following may be counted: Mathematics 362K, Statistics and Data Sciences 321, Statistics and Scientific Computation 321. Prerequisite: The following with a grade of at least C-: Computer Science 311, 313K, Mathematics 325K, or the equivalent; and Mathematics 408C, 408K, or 408N.
• 90360 MTWTHF 1000 - 1130 UTC 3.132

SDS f328M BIOSTATISTICS
Introduction to methods of statistical analysis of biological data. Includes data analysis, basics of experimental design, statistical inference, interval estimation, and hypothesis testing. Only one of the following may be counted: Biology 318M, 328M, Statistics and Data Sciences 328M, Statistics and Scientific Computation 318M, 328M. Prerequisite: An appropriate score on the College of Natural Sciences mathematics placement examination, and six semester hours of coursework in biology.
• 90365 MTWTHF 100 - 230P UTC 4.132
• 90370 MTWTHF 100 - 230P UTC 4.132
• 90375 MTWTHF 100 - 230P UTC 4.132

SDS f379R UNDERGRADUATE RESEARCH
Hour(s) to be arranged. May be repeated for credit. Students work on an individual research project under the supervision of one or more faculty members. Prerequisite: Upper-division standing and consent of instructor.
• 90380

SDS w379R UNDERGRADUATE RESEARCH
Hour(s) to be arranged. May be repeated for credit. Students work on an individual research project under the supervision of one or more faculty members. Prerequisite: Upper-division standing and consent of instructor.
• 90385

SDS f479R UNDERGRADUATE RESEARCH
Hour(s) to be arranged. May be repeated for credit. Students work on an individual research project under the supervision of one or more faculty members. Prerequisite: Upper-division standing and consent of instructor.
• 90390

SDS f389R GRADUATE RESEARCH
Hour(s) to be arranged. May be repeated for credit. Individual research project supervised by one or more faculty members. Prerequisite: Graduate standing.
• 90400

UTeach-Natural Sciences - UTS

UTeach-NATURAL SCIENCES
SCHOOL OF NURSING

Nursing - N

N 117  INDEPENDENT STUDY
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area, topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.80 and consent of instructor.
  • 90500
  • 90565
  • 90510

N 237  INDEPENDENT STUDY
Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Study in a specific area, topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.80 and consent of instructor.
  • 90513

N 337  INDEPENDENT STUDY
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area, topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.60 and consent of instructor.
  • 90515

N w337  INDEPENDENT STUDY
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area, topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.60 and consent of instructor.
  • 90520

N 354  SPANISH FOR HLTH CARE PROFESNL
Offered on the letter-grade basis only. Basic Spanish language skills and phrases related to nursing activities. Prerequisite: Nursing 310 or consent of instructor.
  • 90525  TTH  100 - 500P  NUR 1.106  GUILLETT DE GUTIERR

N w180C  PSYCHOPHARM FOR ADV PRACT NURS
Covers prescribing and monitoring medications commonly used with patients who have psychiatric or mental health problems. Prerequisite: Graduate Standing; and Nursing 396C, 396J, 396K, and 196K, or consent of instructor.
  • 90530  W  100 - 230P  NUR 5.167  ROLIN, D

N w284C  PROFESSIONAL NUR FOUNDATIONS
Laboratory hour(s) to be arranged. Introduction to fundamental nursing care concepts, processes, and skills, including communication and assessment. Prerequisite: Graduate standing and admission to the alternate entry MSN program.
  • 90535  F  900 - 1230P  NUR 1.112  TAYLOR, J

N 284N  GENOMIC APPLC IN NURSING
The ethical, legal, psychological, and social issues involved in the integration of genetic information into nursing practice. Prerequisite: Graduate standing and admission to the alternate entry MSN program.
  • 90540  TTH  900 - 1300P  NUR 1.116  MURPHEY, C

N w387F  ADULT HEALTH NURSING I
Introduction to concepts, theories, and research findings essential for promoting and restoring the health of adults with selected commonly occurring physiological alterations and responses to health and illness. Nursing 484F and 387F may not both be counted. Prerequisite: Graduate standing, admission to the alternate entry MSN program, and credit or registration for Nursing 284C (or 484C).
  • 90545  M  900 - 1130P  NUR 1.110  CUEVAS, H
  • 90545  W  900 - 1100P  NUR 1.110

N 392P  HLTH POLICY/PROG PLANNING/EVAL
Exploration of multilevel health care policy implementation, program development, and outcome evaluation. Focus on the application of policies from macro-level to micro-level systems. Open to all University graduate students. Prerequisite: Graduate standing, and Nursing 392E, or the equivalent, or consent of instructor.
  • 90550  TTH  100 - 500P  NUR 5.180  ACTON, G

N 194  INDEPENDENT STUDY IN NURSING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
  • 90565

N w194  INDEPENDENT STUDY IN NURSING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
  • 90560

N 294  INDEPENDENT STUDY IN NURSING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
  • 90560

N 294  INDEPENDENT STUDY IN NURSING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
  • 90560

N w394  INDEPENDENT STUDY IN NUR-DOE
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. Restricted to doctoral qualifying examination students.
  • 90570

INDEPENDENT STUDY IN NURSING
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific topic area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.
  • 90590

N w698A  THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698A, graduate standing in nursing and consent of the graduate advisor; for 698B, Nursing 698A.
  • 90585

N w698B  THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: For 698B, graduate standing in nursing and consent of the graduate advisor; for 698B, Nursing 698A.
  • 90590

N 398T  SUPV/TEACHING/LEARNING IN NUR
Additional hour(s) to be arranged. Designed to introduce the student to the essential elements of nursing education prior to engaging in the role of assistant instructor. Critical elements include the theoretical bases of teaching and learning; teaching strategies for clinical and classroom settings; assessment and evaluation strategies for various educational settings; ethical and legal considerations; and the importance of engaging in the scholarship of teaching. Prerequisite: Graduate Standing.
  • 90595  MW  100 - 500P  NUR 5.134  TAYLOR, J

N w399R  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Completion of core doctoral courses and admission to candidacy for the doctoral degree.
  • 90600

N w699R  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Completion of core doctoral courses and admission to candidacy for the doctoral degree.
  • 90605

N w999R  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Completion of core doctoral courses and admission to candidacy for the doctoral degree.
  • 90610

N w399W  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Nursing 399R, 699R, or 999R.
  • 90615

N w699W  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Nursing 399R, 699R, or 999R.
  • 90620

N w999W  DISSERTATION
Offered on the credit/no credit basis only. Prerequisite: Nursing 399R, 699R, or 999R.
  • 90625

N s137  INDEPENDENT STUDY
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area; topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.80 and consent of instructor.
  • 90630

N s237  INDEPENDENT STUDY
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area; topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.80 and consent of instructor.
  • 90635
N s337 INDEPENDENT STUDY Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Study in a specific area; topic and mode of study are agreed upon by student(s) and instructor. Prerequisite: A University grade point average of at least 2.80 and consent of instructor.

N s354 SPANISH FOR HLTH CARE PROFESNL Offered on the letter-grade basis only. Basic Spanish language skills and phrases related to nursing activities. Prerequisite: Nursing 310 or consent of instructor.

N s284P AGING AND DISABILITY Examines concepts and theories of aging and disability. Addresses the changing physical, psychological, social, economic, ethical, legal, and spiritual needs, environmental accommodations, and caregiver responsibilities and needs across the life course. Prerequisite: Graduate standing and admission to the alternate entry MSN program.

N s392P HLTH POLICY/PROG PLANNING/EVAL Exploration of multilevel health care policy implementation, program development, and outcome evaluation. Focus on the application of policies from macro-level to micro-level systems. Open to all University graduate students. Prerequisite: Graduate standing; and Nursing 392E or the equivalent, or consent of instructor.

N s194 INDEPENDENT STUDY IN NURSING Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

N s294 INDEPENDENT STUDY IN NURSING Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

N s394 INDEPENDENT STUDY IN NUR-DOE Hour(s) to be arranged. Offered on the credit/no credit basis only. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor. Restricted to doctoral qualifying examination students.

INDEPENDENT STUDY IN NURSING Hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Detailed or in-depth study in a specific area. Topic and mode of study are agreed upon by student and instructor. Some topics are offered on the credit/no credit basis only; these are identified in the Course Schedule. Prerequisite: Graduate standing and consent of instructor.

N s397L 2-INSTRUMENTATN & MEASUREMENT Course number may be repeated for credit when the topics vary. Theoretical, methodological, and procedural aspects of measurement; norm-referenced and criterion-referenced measurement; data management and instrumentation. Prerequisite: Graduate standing, Nursing 397K, and consent of instructor.

PHR w310K DRUGS IN OUR SOCIETY Survey of drug development, distribution, and safety, including therapeutic categories of drugs, their actions and abuse potential, and the sociological aspects of drug use. Pharmacy 310K and 350K may not both be counted. Not open to students in the professional pharmacy curriculum and may not be counted toward the professional elective requirement in pharmacy. Meets with PHR 350K.

PHR w329C PHARMACY ASSOCIATE MANAGEMENT Hour(s) to be arranged. An introduction to the principles involved in managing pharmacy associations. Students gain practical experience in a community pharmacy. Pharmacy 329C and 389C may not both be counted. Prerequisite: Pharmacy 244C and 144P and consent of instructor.

PHR w629D PHARMACY ASSOC MANAGEMENT RES Hour(s) to be arranged. Experience working in a pharmacy association, including active involvement in some managerial aspect of the association. Pharmacy 629D and 689D may not both be counted. Prerequisite: Pharmacy 354D and consent of instructor.

PHR w338 INTRODUCTION TO PHARMACOLOGY Additional hour(s) to be arranged. Survey of basic concepts and principles in pharmacology. Required for all preprofessional students in the School of Nursing. May not be counted toward the professional elective requirement in pharmacy. Prerequisite: Credit or registration for Biology 3655, 448L (or 419K), or Kinesiology 324K.

PHR w350K DRUGS IN OUR SOCIETY Survey of drug development, distribution, and safety, including therapeutic categories of drugs, their actions and abuse potential, and the sociological aspects of drug use. Essay papers required. Pharmacy 310K and 350K may not both be counted. Not open to students in the professional pharmacy curriculum and may not be counted toward the professional elective requirement in pharmacy. Prerequisite: Upper-division standing, meets with PHR 310K.

PHR w160J BASIC STD PHRMCEUT RSCH NONMAJ Hour(s) to be arranged. May be repeated for credit. Original investigation in any area of the pharmaceutical sciences. Prerequisite: Consent of instructor and the dean.

PHR w260J BASIC STD PHRMCEUT RSCH NONMAJ Hour(s) to be arranged. May be repeated for credit. Original investigation in any area of the pharmaceutical sciences. Prerequisite: Consent of instructor and the dean.

PHR w360J BASIC STD PHRMCEUT RSCH NONMAJ Hour(s) to be arranged. May be repeated for credit. Original investigation in any area of the pharmaceutical sciences. Prerequisite: Consent of instructor and the dean.

PHR w160K BASIC STUDY PHARMCEUT RSCH Hour(s) to be arranged. May be repeated for credit. Basic exploration in any area of the pharmaceutical sciences. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Admission to the PharmD program and consent of instructor and the dean.

PHR w260K BASIC STUDY PHARMCEUT RSCH Hour(s) to be arranged. May be repeated for credit. Basic exploration in any area of the pharmaceutical sciences. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Admission to the PharmD program and consent of instructor and the dean.

PHR w360K BASIC STUDY PHARMCEUT RSCH Hour(s) to be arranged. May be repeated for credit. Basic exploration in any area of the pharmaceutical sciences. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Admission to the PharmD program and consent of instructor and the dean.

PHR w167H EXPLORATORY RESEARCH IN PHR Hour(s) to be arranged. May be repeated for credit. The student participates in ongoing in-depth research activities in pharmaceutics, medicinal chemistry, toxicology, pharmacology, pharmacy administration, pharmacy practice, or pharmacotherapy. Prerequisite: Pharmacy 151R and admission to the Pharmacy Honors Program, or consent of the dean.

PHR f368T COLLEGE TEACHING METHODOLOGY Offered on the letter-grade basis only. Interdisciplinary course intended to provide a foundation of theoretical and practical knowledge relating to teaching at the postsecondary level. Subjects include instructional methods, instructional design, practice teaching, teaching philosophy, instructional technology, and assessment of learning.
Includes class discussions and individual consultations. Only one of the following may be counted: Pharmacy 386T, 387T, Pharmacy Graduate Studies 398T. Prerequisite: Completion of the second professional year in the College of Pharmacy, or consent of instructor. Meets with PGS 398T.

- 90790 TTH 800 - 1200 PHR 3.110 ROBERTS, R

**PHR 577H**

**INSTITUTIONAL CLIN SKILLS-E P**

Hour(s) to be arranged. Offered on the pass/fail basis only. Hands-on experience in an institutional practice care facility; examines pharmacy services, hospital management, staff interaction, and the flow of information from laboratory to bedside. Prerequisite: Current intern registration with the Texas State Board of Pharmacy, and Pharmacy 242D, 244C, 144P, 163P, 364D, 266P, 171P, 371S, 172H, 675E, 175P, 179E, and 277P (or 177G and 177P). Taught in El Paso, Texas.

- 90795
- 90800

**INSTITUTIONAL CLIN SKILLS-S A**

Hour(s) to be arranged. Offered on the pass/fail basis only. Hands-on experience in an institutional practice care facility; examines pharmacy services, hospital management, staff interaction, and the flow of information from laboratory to bedside. Prerequisite: Current intern registration with the Texas State Board of Pharmacy, and Pharmacy 242D, 244C, 144P, 163P, 364D, 266P, 171P, 371S, 172H, 675E, 175P, 179E, and 277P (or 177G and 177P). Taught in San Antonio, Texas.

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- 90815
- 90820
- 90825

**INSTITUTIONAL CLIN SKILLS-V AL**

Hour(s) to be arranged. Offered on the pass/fail basis only. Hands-on experience in an institutional practice care facility; examines pharmacy services, hospital management, staff interaction, and the flow of information from laboratory to bedside. Prerequisite: Current intern registration with the Texas State Board of Pharmacy, and Pharmacy 242D, 244C, 144P, 163P, 364D, 266P, 171P, 371S, 172H, 675E, 175P, 179E, and 277P (or 177G and 177P). Taught in the Rio Grande Valley, Texas.

- 90830

**INSTITUTIONAL CLINICAL SKILLS**

Hour(s) to be arranged. Offered on the pass/fail basis only. Hands-on experience in an institutional practice care facility; examines pharmacy services, hospital management, staff interaction, and the flow of information from laboratory to bedside. Prerequisite: Current intern registration with the Texas State Board of Pharmacy, and Pharmacy 242D, 244C, 144P, 163P, 364D, 266P, 171P, 371S, 172H, 675E, 175P, 179E, and 277P (or 177G and 177P). Taught in the Rio Grande Valley, Texas.

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**PHR w177K**

**ADV STUDY PHARMACEUT RSCH**

Hour(s) to be arranged. May be repeated for credit. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Second-professional-year standing and consent of instructor and the dean.

- 90885

**PHR w277K**

**ADV STUDY PHARMACEUT RSCH**

Hour(s) to be arranged. May be repeated for credit. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Second-professional-year standing and consent of instructor and the dean.

- 90890

**PHR w377K**

**ADV STUDY PHARMACEUT RSCH**

Hour(s) to be arranged. May be repeated for credit. No more than three semester hours may be counted toward the professional pharmacy elective requirement. Prerequisite: Second-professional-year standing and consent of instructor and the dean.

- 90895

**PHR w479H**

**PHR HONORS THESIS & TUTORL CRS**

Hour(s) to be arranged. Honors seminar; laboratory research project conducted under the supervision of one or more faculty members. Prerequisite: Pharmacy 278H.

- 90900

**PHR w693C**

**AMBULATORY CARE PHR PRAC**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of ambulatory patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E.

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Course work prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas.

**ELECTIVE IN PHARM PRACT I-VAL**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Experience in pharmacy practice, research, or administration. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas.

**ADV HOSPITAL PHARM PRACT**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas.

**ADV HOSPITAL PHARM PRACT-DAL**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in Dallas, Texas.

**ADV HOSPITAL PHARM PRACT-GAL**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in Galveston, Texas.

**ADV HOSPITAL PHARM PRACT-SA**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas.

**ADV HOSPITAL PHARM PRACT-VAL**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas.

**SELECTIVE IN PHARM PRACT**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas.

**SELECTIVE IN PHARM PRACT-DAL**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in Dallas, Texas.

**SELECTIVE IN PHARM PRACT-SA**

Fee: $92.00

Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapies, evaluation of drug use, syntheses of rational drug regimens, and dispensing of medications in the context of institutional patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in El Paso, Texas.
as State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 694C, 694E. Taught in Galveston, Texas. • 91080

SELECTIVE IN PHARM PRACT-I AS fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in a selected pharmacy practice environment. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas. • 91085

SELECTIVE IN PHARM PRACT-I-VAL fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in a selected pharmacy practice environment. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas. • 91090

PHR w693W ELECTIVE PHARM EXPERIENCE fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Competitive placement for an international advanced pharmacy experience program. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy. • 91095

PHR w694C ACUTE CARE PHARM PRACT fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of acute patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in Dallas, Texas. • 91100

ACUTE CARE PHARM PRACT-DAL fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of acute patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in El Paso, Texas. • 91110

ACUTE CARE PHARM PRACT-E P fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of acute patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas. • 91115

ACUTE CARE PHARM PRACT-S A fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of acute patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas. • 91120

ACUTE CARE PHARM PRACT-VAL fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in the context of acute patient care. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in the Rio Grande Valley, Texas. • 91125

PHR w694E ELECTIVE IN PHARM PRACT-II-S A fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Experience in pharmacy practice, research, or administration. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. • 91130

SELECTIVE IN PHARM PRACT-II fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in selected pharmacy practice environments. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. • 91140

SELECTIVE IN PHARM PRACT-II-S A fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in selected pharmacy practice environments. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas. • 91145

PHR w694S SELECTIVE IN PHARM PRACT-II fee: $92.00 Hour(s) to be arranged. Offered on the pass/fail basis only. Analysis of pharmacotherapy, evaluation of drug use, and synthesis of rational drug regimens in selected pharmacy practice environments. Prerequisite: Current intern registration with the Texas State Board of Pharmacy and completion of all didactic and laboratory coursework prior to the fourth professional year in the College of Pharmacy; during the fall and spring semesters, concurrent enrollment in two of the following: Pharmacy 693C, 693E, 693N, 693P, 693S, 694C, 694E, 694S, or 695E. Taught in San Antonio, Texas. • 91150

HEALTH LEADERS fee: $92.00 Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Basic exploration in any area of the pharmaceutical and clinical sciences. Prerequisite: Admission to the professional pharmacy curriculum; additional prerequisites vary with the topic. • 91150

HEALTH LEADERS-E P fee: $92.00 Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Basic exploration in any area of the pharmaceutical and clinical sciences. Prerequisite: Admission to the professional pharmacy curriculum; additional prerequisites vary with the topic. Taught in El Paso, Texas. • 91155

HEALTH LEADERS-S A fee: $92.00 Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Basic exploration in any area of the pharmaceutical and clinical sciences. Prerequisite: Admission to the professional pharmacy curriculum; additional prerequisites vary with the topic. Taught in San Antonio, Texas. • 91160

HEALTH LEADERS-VAL fee: $92.00 Hour(s) to be arranged. Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. Basic exploration in any area of the pharmaceutical and clinical sciences. Prerequisite: Admission to the professional pharmacy curriculum; additional prerequisites vary with the topic. Taught in the Rio Grande Valley, Texas. • 91165

CLINICAL TOXICOLOGY fee: $92.00 A course in toxicology that focuses on common poisons and their management; designed for pharmacy students planning to enter general practice. Prerequisite: Admission to the professional pharmacy curriculum. • 91170

CLINICAL TOXICOLOGY-E P fee: $92.00 A course in toxicology that focuses on common poisons and their management; designed for pharmacy students planning to enter general practice. Prerequisite: Admission to the professional pharmacy curriculum. Taught in El Paso, Texas. • 91173

CLINICAL TOXICOLOGY-S A fee: $92.00 A course in toxicology that focuses on common poisons and their management; designed for pharmacy students planning to enter general practice. Prerequisite: Admission to the professional pharmacy curriculum. Taught in San Antonio, Texas. • 91175

DIGIOVANNI, J

FREI, C

FREI, C

FREI, C

FREI, C
sion to the professional pharmacy curriculum. Taught at UT Health Science Center in San Antonio via interactive broadcast.

**PHR s176P**

**EXPER PHR PRAC & PATIENT CONS**

Hour(s) to be arranged. Offered on the pass/fail basis only. Medication use and dispensing in a practice environment. Counseling skills and techniques for a better understanding of disease states and positive medication outcomes. Prerequisite: Current intern registration with the Texas State Board of Pharmacy, and credit or registration for Pharmacy 665B and 265P.

- 91175 TTH 100 - 400P DIGIOVANNI, J

**PHR s183F**

**BASIC INTRAVENOUS ADMIX**

Offered on the letter-grade basis only. Basic principles of injectable and other sterile dosage forms; methods of preparation and evaluation that meet current pharmacy practice standards. Prerequisite: Pharmacy 356C, 156P, and credit or registration for Pharmacy 183G.

- 91195 MW 900 - 1030 PHR 3.106 ACOSTA, W

**BASIC INTRAVENOUS ADMIX-S A**

Offered on the letter-grade basis only. Basic principles of injectable and other sterile dosage forms; methods of preparation and evaluation that meet current pharmacy practice standards. Prerequisite: Pharmacy 356C, 156P, and credit or registration for Pharmacy 183G. Taught via interactive broadcast video to the University of Texas at San Antonio in San Antonio, Texas.

- 91200 MW 900 - 1030 ACOSTA, W

**PHR s183G**

**BASIC INTRAVEN ADV LAB**

fee: $135.00

Offered on the letter-grade basis only. Basic laboratory principles in the preparation and evaluation of injectable and other sterile dosage forms. Prerequisite: Pharmacy 356C, 156P, and credit or registration for Pharmacy 183G.

- 91205 MW 1030 - 1200 PHR 3.106 ACOSTA, W
- 91210 MW 1030 - 1200 PHR 3.106 ACOSTA, W
- 91205 TTH 100 - 500P PHR 3.106 ACOSTA, W

**BASIC INTRAVEN ADV LAB-S A**

Offered on the letter-grade basis only. Basic laboratory principles in the preparation and evaluation of injectable and other sterile dosage forms. Prerequisite: Pharmacy 356C, 156P, and credit or registration for Pharmacy 183G. Taught at UT Health Science Center in San Antonio, Texas.

- 91215 MW 1030 - 1200 ACOSTA, W
- 91210 TTH 100 - 500P ACOSTA, W

**PHR s229G**

**HERBAL & BOTANICAL SUPPLEMENTS**

Offered on the letter-grade basis only. Examination of the scientific data underlying the use of herbs and other complementary and alternative medicine (CAM). An evidence-based approach to learning about the most commonly used herbs, nutritional supplements, homeopathy, acupuncture, massage, and other CAM modalities, including studies of popular uses, clinical indications, pharmacological effects, mechanisms of action, side effects, contraindications, and common dosage guidelines. Discussion of the legal, regulatory, and ethical aspects, in addition to analyzing manufacturing quality issues and counterfeit products. Prerequisite: Credit for Pharmacy 262D, 163C, and 172E.

- 91220 TTH 900 - 1100 PHR 4.114 POPE, N

**HERBAL/BOTANICAL SUPPLEMENTS-E P**

Offered on the letter-grade basis only. Examination of the scientific data underlying the use of herbs and other complementary and alternative medicine (CAM). An evidence-based approach to learning about the most commonly used herbs, nutritional supplements, homeopathy, acupuncture, massage, and other CAM modalities, including studies of popular uses, clinical indications, pharmacological effects, mechanisms of action, side effects, contraindications, and common dosage guidelines. Discussion of the legal, regulatory, and ethical aspects, in addition to analyzing manufacturing quality issues and counterfeit products. Prerequisite: Credit for Pharmacy 262D, 163C, and 172E. Taught at UT El Paso in El Paso, Texas via interactive broadcast.

- 91225 TTH 800 - 1000 PHR 5.108 POPE, N

**HERBAL/BOTANICAL SUPPLEMENTS-S A**

Offered on the letter-grade basis only. Examination of the scientific data underlying the use of herbs and other complementary and alternative medicine (CAM). An evidence-based approach to learning about the most commonly used herbs, nutritional supplements, homeopathy, acupuncture, massage, and other CAM modalities, including studies of popular uses, clinical indications, pharmacological effects, mechanisms of action, side effects, contraindications, and common dosage guidelines. Discussion of the legal, regulatory, and ethical aspects, in addition to analyzing manufacturing quality issues and counterfeit products. Prerequisite: Credit for Pharmacy 262D, 163C, and 172E. Taught at UT Health Science Center in San Antonio via interactive broadcast.

- 91225 TTH 900 - 1100 POPE, N

**PGS w180J**

**ADV PHARMACEUTICS: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91280

**PGS w280J**

**ADV PHARMACEUTICS: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91285

**PGS w380J**

**ADV PHARMACEUTICS: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91290

**PGS f180M**

**ADV PHARM: EXPERIMENTAL DESIGN**

Course number may be repeated for credit when the topics vary. Pharmacy 180M, 280M, 380M and Pharmacy Graduate Studies 180M, 280M, 380M may not both be counted unless the topics vary. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Additional prerequisite: Graduate standing in the College of Pharmacy or consent of instructor. Topic title: Advanced Pharmaceutics: Experimental Design and Planning.

- 91295 TTH 100 - 500P PHR 3.114B CROYLE, M

**PGS w181J**

**ADV PHARMACY ADMIN: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91300

**PGS w281J**

**ADV PHARMACY ADMIN: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91305

**PGS w381J**

**ADV PHARMACY ADMIN: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91310

**PGS w181M**

**RESPONSIBLE HUMAN SUBJECT RSCH**

Course number may be repeated for credit when the topics vary. Pharmacy 181M, 281M, 381M and Pharmacy Graduate Studies 181M, 281M, 381M may not both be counted unless the topics vary. Prerequisite: Graduate standing; additional prerequisites vary with the topic. Topic description: An overview of ethical considerations in the conduct of human subjects research, including aspects of research design and methodology, data analysis, fraud, publications, misconduct, intellectual property, grants, peer review, plagiarism, internet-based communication, and mentor responsibility.

- 91315 W 900 - 1030 PHR 3.110 FORD, K

**PGS w381M**

**PHARMACEUT INDUSTRY & MARKETING**

Additional hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Pharmacy 181M, 281M, 381M and Pharmacy Graduate Studies 181M, 281M, 381M may not both be counted unless the topics vary. Prerequisite: Graduate standing; additional prerequisites vary with the topic.

- 91320 M 100 - 400P PHR 3.110 SHEPHERD, M

**PGS w381V**

**COMM SKILLS FOR TRANS SCI-S A**

Hour(s) to be arranged. Oral and written communication skills for scientists conducting translational research at the interface of basic and clinical science. Subjects include effective interaction on multidisciplinary research teams and the preparation of translational research proposals. Pharmacy 381V and Pharmacy Graduate Studies 381V may not both be counted. Prerequisite: Graduate standing and consent of instructor. Taught in San Antonio, Texas.

- 91325 SELTZER, J

**PGS w382R**

**RECENT ADVANCES IN PHARMACEUTICAL INDUSTRY**

Additional hour(s) to be arranged. Course number may be repeated for credit when the topics vary. Presentation of topics of current research interest in physical pharmacy, biopharmaceutics, and pharmacokinetics. Prerequisite: Graduate standing.

- 91330 S 800 - 1200 PHR 3.106 WILLIAMS, R

**PGS w185D**

**RESPONSIBLE CONDUCT OF SCI-S A**

Hour(s) to be arranged. Offered on the credit/no credit basis only. Ethical considerations in the conduct of science, including issues of animal welfare and/or human subjects research, data analysis, fraud, publications, misconduct, intellectual property, grants, peer review, and mentor responsibility. Only one of the following may be counted: Neuroscience 185D, Pharmacy 185D, Pharmacy Graduate Studies 185D. Prerequisite: Graduate standing and admission to the doctoral program in pharmacy, or consent of instructor. Taught in San Antonio, Texas.

- 91335 FREI, C

**PGS w185J**

**ADV PHARMACOTHER LAB RSCH-S A**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Taught in San Antonio, Texas.

- 91340

**PGS w285J**

**ADV PHARMACOTHER LAB RSCH-S A**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor. Taught in San Antonio, Texas.

- 91345

**PGS w385J**

**ADV PHARMACOTHER LAB RSCH-S A**

Hour(s) to be arranged. May be repeated for credit. Prerequisite: Graduate standing and consent of instructor.

- 91350

**PGS w186J**

**ADV MEDICINAL CHEM: LAB RSCH**

Hour(s) to be arranged. May be repeated for credit. Modern laboratory techniques used in medicinal and natural products chemistry. Prerequisite: Graduate standing and consent of instructor.

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<th>Course Code</th>
<th>Course Title</th>
<th>Unique Code</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<td>PGS w487Q</td>
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<td>PGS w396M</td>
<td>MEDICINAL CHEMISTRY</td>
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Introduction to medicinal chemistry, covering drug classes according to their pharmacological classification, structural class, and mechanism of action. Pharmacy 396M
and Pharmacy Graduate Studies 396M may not both be counted. Prerequisite: Grad-
uate standing, and undergraduate coursework in organic chemistry and biochemistry,
or consent of instructor.
  • 9156 W, MWF 300 - 500P PFR 2.114 WHITMAN, C

PGS w197H ADV PHARMACOLOGY RESEARCH CONF
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for
credit. Prerequisite: Graduate standing.
  • 9157 DIOIOVANII, J
  • 9157 DULACHELLE, C
  • 9158 GONZALEZ, R
  • 9159 GORE, A
  • 9159 MARNELLI, M
  • 9159 MESSING, R
  • 9160 MILS, E
  • 9160 MORRISSETT, R
  • 9160 MUKHOPADHYAY, S
  • 9160 RICHBURG, J
  • 9161 VANDENBERG, C
  • 9162 VASQUEZ, K
  • 9163 WRIGHT, C

PGS w698A THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 698A
and Pharmacy Graduate Studies 698A may not both be counted. Pharmacy 698B and
Pharmacy Graduate Studies 698B may not both be counted. Prerequisite: For 698A,
graduate standing in pharmacy and consent of the graduate adviser; for 698B, Phar-
macy Graduate Studies 698A (or Pharmacy 698A).
  • 91635

PGS w698B THESIS
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 698A and
Pharmacy Graduate Studies 698A may not both be counted. Pharmacy 698B and
Pharmacy Graduate Studies 698B may not both be counted. Prerequisite: For 698A,
graduate standing in pharmacy and consent of the graduate adviser; for 698B, Phar-
macy Graduate Studies 698A (or Pharmacy 698A).
  • 91640

PGS f398T COLLEGE TEACHING METHODOLOGY
Offered on the letter-grade basis only. Interdisciplinary course intended to provide a
foundation of theoretical and practical knowledge about teaching at the post-
secondary level. Instructional methods; instructional design; practice teaching; teach-
ing philosophy; instructional technology; assessment of learning; class discussions;
individual consultations. Only one of the following may be counted: Pharmacy 368T,
398T, Pharmacy Graduate Studies 398T. Prerequisite: Graduate standing or consent of
instructor. meets with PFR 368T.
  • 91645 TTH 800 - 1200 PFR 3.110 ROBERTS, R

PGS w399R DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399R,
999R may not both be counted. Prerequisite: Admission to candidacy for the doctoral
degree.
  • 91650

PGS w699R DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 699R,
799R, 899R, 999R and Pharmacy Graduate Studies 699R, 799R, 899R, 999R may not both be counted. Prerequisite: Admission to candidacy for the doctoral
degree.
  • 91650

PGS w799R DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399R,
999R may not both be counted. Prerequisite: Admission to candidacy for the doctoral
degree.
  • 91650

PGS w899R DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399R,
999R may not both be counted. Prerequisite: Admission to candidacy for the doctoral
degree.
  • 91650

PGS w999R DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399R,
999R may not both be counted. Prerequisite: Admission to candidacy for the doctoral
degree.
  • 91650

PGS w399W DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399W,
699W, 799W, 899W, 999W and Pharmacy Graduate Studies 399W, 699W, 799W,
899W, 999W may not both be counted. Prerequisite: Pharmacy Graduate Studies
  • 91650

PGS w799W DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399W,
699W, 799W, 899W, 999W and Pharmacy Graduate Studies 399W, 699W, 799W,
899W, 999W may not both be counted. Prerequisite: Pharmacy Graduate Studies
  • 91650

PGS w899W DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399W,
699W, 799W, 899W, 999W and Pharmacy Graduate Studies 399W, 699W, 799W,
899W, 999W may not both be counted. Prerequisite: Pharmacy Graduate Studies
  • 91650

PGS w999W DISSERTATION
Hour(s) to be arranged. Offered on the credit/no credit basis only. Pharmacy 399W,
699W, 799W, 899W, 999W and Pharmacy Graduate Studies 399W, 699W, 799W,
LYNDON B. JOHNSON SCHOOL OF PUBLIC AFFAIRS

Public Affairs - P A

P A F310C QUANT FOUNDATN FOR PUBL POLICY
Course number may be repeated for credit when the topics vary. Skill topics, including
economics, quantitative methods, public financial management, policy development, and
public administration. Public Affairs 310C and 333C may not both be counted un-
less the topics vary. Some sections are offered on the letter-grade basis only.
• 91765 MTW 600 - 830P SRH 3.122 SPELMAN, W

P A F325 QUANT FOUNDATN FOR PUBL POLICY
Course number may be repeated for credit when the topics vary. Some sections are offered
on the letter-grade basis only.
• 91770 MTW 600 - 830P SRH 3.122

P A F280E GATEWAY TO EXEC LEADERSHIP
Hour(s) to be arranged. Offered on the letter-grade basis only. Intensive gateway
course that serves as a foundation for the executive master's program. Subjects in-
clude strategic thinking, global and intergovernmental factors affecting organizational
leadership, and ethical leadership. Restricted to students in the executive master's pro-
gram in the Lyndon B. Johnson School of Public Affairs. Prerequisite: Graduate
standing and consent of instructor. Mandatory orientation meets May 18-21.
• 91775

P A W382E DATA ANALYS/ECONOMICS FOR EXEC
Offered on the letter-grade basis only. Course number may be repeated for credit
when the topics vary. Topics in the processes and analytical tools needed for deci-
sion-making by senior-level leaders. Restricted to students in the executive master's pro-
gram in the Lyndon B. Johnson School of Public Affairs. Prerequisite: Graduate
standing and consent of instructor. Class meets May 29-August 8.
• 91785 S 730 - 1200 SRH 3.219 RICHARDSON, S

P A F383C IMMIGRATION POLICY DEVELOPMENT
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary.
Introduction to how public policy is developed and adopted in government sys-
tems. Covers the role of politics and institutions in planning and implementing policy.
Normally taken during the first year. Prerequisite: Graduate standing. Taught in Wash-
ington, DC.
• 91785 WASEM, R

P A W383E LEADING ORGANIZATIONAL CHANGE
Offered on the letter-grade basis only. Course number may be repeated for credit
when the topics vary. Topics in leadership strategy, decision-making, and informa-
tion management; the understanding and leading of organizational change initiatives for
senior-level executives. Restricted to students in the executive master's program in the
Lyndon B. Johnson School of Public Affairs. Prerequisite: Graduate standing and con-
sent of instructor. Class meets May 29-August 8.
• 91795 F 430 - 800P SRH 3.219 BALES, B

P A F388K MANAGEMENT CONCEPTS & SKILLS
Offered on the letter-grade basis only. Course number may be repeated for credit
when the topics vary. Topics in leadership strategy, decision-making, and informa-
tion management; the understanding and leading of organizational change initiatives for
senior-level executives. Restricted to students in the executive master's program in the
Lyndon B. Johnson School of Public Affairs. Prerequisite: Graduate standing and con-
sent of instructor. Topic title: Management concepts and skills: Organizational excel-
cence and executive leadership. Class meets May 29-August 8.
• 91800 S 1230 - 500P SRH 3.219 PEDERSEN, C

P A F388L US IMMIGRATION/CITIZENSHIP POL
Hour(s) to be arranged. Course number may be repeated for credit when the topics vary.
Topics include issues in political values and ethics and in natural re-
sources, transportation, health, environmental, international, regulatory, urban, and la-
bor and human resources policy. Some sections are offered on the letter-grade basis only.
Prerequisite: Graduate standing. Taught in Washington, DC.
• 91810

P A W389 CONF COURSE IN POLICY ANALYSIS
Hour(s) to be arranged. May be repeated for credit. Individual instruction related to se-
lected aspects of professional theory and practice. Prerequisite: Graduate standing
and consent of instructor and the graduate adviser.
• 91815

P A W189C INDEPENDENT STUDY PUBLIC POLICY
Hour(s) to be arranged. May be repeated for credit. Individual instruction related to se-
lected aspects of professional theory and practice. Prerequisite: Graduate standing,
consent of instructor and the graduate adviser.
• 91825

P A W389E RESEARCH CAPSTONE
Hour(s) to be arranged. Offered on the letter-grade basis only. May be repeated for
credit. Integrative independent study organized around a project requiring students to
draw upon previous studies, academic research, and practical applications. Restricted
to students in the executive master's program in the Lyndon B. Johnson School of
Public Affairs. Class meets May 29-August 7.
• 91830 SURI, J

P A W390D DISSERTATION PROPOSAL PREP
Hour(s) to be arranged. Offered on the credit/no credit basis only. Development and
preparation of the dissertation proposal. Prerequisite: Graduate standing, completion of
all coursework, and consent of instructor.
• 91940

P A W690D DISSERTATION PROPOSAL PREP
Hour(s) to be arranged. Offered on the credit/no credit basis only. Development and
preparation of the dissertation proposal. Prerequisite: Graduate standing, completion of
all coursework, and consent of instructor.
• 91945

P A W195C SUPERVISED POLICY RESEARCH
Hour(s) to be arranged. Supervised, individual policy research experience on a topic
chosen by the supervising faculty member. Prerequisite: Graduate standing in public
affairs and approval of the research proposal by the supervising faculty member and the
graduate adviser.
• 91950

P A W195C SUPERVISED PUBLIC SERVICE
Hour(s) to be arranged. Supervised, individual practical public service experience in an
area chosen by the supervising faculty member. May not be counted toward the
Master of Public Affairs degree. Prerequisite: Graduate standing in public affairs and
approval of proposal by the supervising faculty member and the graduate adviser.
• 91955

P A W396G INTERNSHIP IN GLOBAL POL STD
Hour(s) to be arranged. Supervised participation in and observation of international is-
sues as a working member of the staff in an agency of government, a nonprofit orga-
nization, or a public policy-related unit in the private sector. Prerequisite: Graduate
standing, completion of one year in the Lyndon B. Johnson School of Public Affairs,
and consent of the associate dean.
• 91960

P A W396K INTERNSHIP IN PUBLIC POLICY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised partici-
pation and observation as a working member of the staff in an agency of govern-
ment, a nonprofit organization, or a public policy-related unit in the private sector.
Prerequisite: Completion of one year in the Lyndon B. Johnson School of Public Affairs
and consent of the associate dean.
• 91965

P A W396K INTERNSHIP IN PUBLIC POLICY
Hour(s) to be arranged. Offered on the credit/no credit basis only. Supervised participa-
tion and observation as a working member of the staff in an agency of govern-
ment, a nonprofit organization, or a public policy-related unit in the private sector.
Prerequisite: Completion of one year in the Lyndon B. Johnson School of Public Affairs
and consent of the associate dean. Restricted to students in the UT in DC Archer
graduate program. Taught in Washington, DC.
• 91970

P A W098J JOINT PROGRAMS PARTNER INST
Hour(s) to be arranged. Certification course for students enrolled in Lyndon B. John-
son School of Public Affairs interdisciplinary joint degree programs. Prerequisite:
Graduate standing.
• 91975

P A W398R PROFESSIONAL REPORT
Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a re-
port to fulfill the requirement for the master's degree under the report option. Prerequi-
tive: Graduate standing in public affairs and consent of the graduate adviser.
• 91980
<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>P A w399R</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser in public affairs.</td>
<td>• 91985</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P A w699R</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser in public affairs.</td>
<td>• 91990</td>
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</tr>
<tr>
<td>P A w999R</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree and consent of the graduate adviser in public affairs.</td>
<td>• 91995</td>
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<tr>
<td>P A w999W</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Public Affairs 399R, 699R, or 999R.</td>
<td>• 91990</td>
<td></td>
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<tr>
<td>P A w699W</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Public Affairs 399R, 699R, or 999R.</td>
<td>• 91900</td>
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<tr>
<td>P A w999W</td>
<td>DISSERTATION</td>
<td>Hour(s) to be arranged. Offered on the credit/no credit basis only. Prerequisite: Public Affairs 399R, 699R, or 999R.</td>
<td>• 91910</td>
<td></td>
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</tr>
<tr>
<td>P A s388K</td>
<td>FEDERAL POLICY-DC</td>
<td>Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Typical topics include issues in political values and ethics and in natural resources, transportation, health, environmental, international, regulatory, urban, and labor and human resources policy. Some sections are offered on the letter-grade basis only. Prerequisite: Graduate standing. Restricted to students in the UT in DC Archer program. Taught in Washington, DC.</td>
<td>• 91915</td>
<td></td>
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</tr>
<tr>
<td>P A s389</td>
<td>CONF COURSE IN POLICY ANALYSIS</td>
<td>Hour(s) to be arranged. May be repeated for credit. Individual instruction related to selected aspects of professional theory and practice. Prerequisite: Graduate standing and consent of instructor and the graduate adviser.</td>
<td>• 91920</td>
<td></td>
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</tr>
<tr>
<td>P A s189C</td>
<td>INDEP STUDY PUBLIC POLICY</td>
<td>Hour(s) to be arranged. May be repeated for credit. Individual instruction related to selected aspects of professional theory and practice. Prerequisite: Graduate standing, consent of instructor and the graduate adviser.</td>
<td>• 91925</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P A s396G</td>
<td>INTERNSHIP IN GLOBAL POL STDS</td>
<td>Hour(s) to be arranged. Supervised participation in at least one observation of international issues as a working member of the staff in an agency of government, a nonprofit organization, or a public policy-related unit in the private sector. Prerequisite: Graduate standing, completion of one year in the Lyndon B. Johnson School of Public Affairs, and consent of the associate dean.</td>
<td>• 91930</td>
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</tr>
</tbody>
</table>

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## SCHOOL OF SOCIAL WORK

### Social Work - S W

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S W 325</td>
<td>FOUNDATIONS OF SOCIAL JUSTICE</td>
<td>History and demographics of culturally diverse groups in the United States, including family and community diversity. Emphasis on principles of knowledge acquisition about cultural diversity and ethnic-sensitive social work practice. Social Work 325 and 360K (Topic: Cultural Diversity in a Changing Society) may not both be counted. Prerequisite: Admission to the major in social work.</td>
</tr>
<tr>
<td>S W 327</td>
<td>HUMAN BEHAV &amp; SOCIAL ENVIR</td>
<td>Survey of selected theories of human behavior, including a systems/ecological perspective, ego psychology, and social learning theory, with an emphasis on the life cycle from adolescence through adulthood. Only one of the following may be counted: Social Work 327, Urban Studies 354 (Topic: Human Behavior and Social Environment), 354 (Topic 10). Prerequisite: For social work majors, admission to the major in social work; for others, upper-division standing; same as URB 354 (Topic 10).</td>
</tr>
<tr>
<td>S W n350</td>
<td>SPEC TPCS IN GENERALIST SOC WK</td>
<td>Hour(s) to be arranged. May be repeated for credit. Prerequisite: Upper-division standing.</td>
</tr>
<tr>
<td>S W 360K</td>
<td>CONTEMP ISS DOM VIOLENCE</td>
<td>Course number may be repeated for credit when the topics vary. A tutorial and seminar course designed to enable each student to undertake intensive study of selected aspects of social welfare practice. Topics include child abuse and neglect, chemical dependency, African American family, gerontology, and social work and the law. Prerequisite: Varies with the topic and is given in the Course Schedule. Topic: Controversy in domestic violence. Class meets Fridays, June 5, 12, 19, 26, and Saturdays, June 13 and 27.</td>
</tr>
<tr>
<td>S W n380</td>
<td>WORKING WITH YOUTH GAN</td>
<td>Course number may be repeated for credit when the topics vary. A tutorial and seminar course designed to enable each student to undertake intensive study of selected aspects of social welfare practice. Topics include child abuse and neglect, chemical dependency, African American family, gerontology, and social work and the law. Prerequisite: Varies with the topic and is given in the Course Schedule.</td>
</tr>
<tr>
<td>S W 380P</td>
<td>LOSS &amp; GRIEF: INDIV/FAM PERSP</td>
<td>Course number may be repeated for credit when the topics vary. A tutorial and seminar course designed to enable each student to undertake intensive study of selected aspects of social welfare practice. Topics include child abuse and neglect, chemical dependency, African American family, gerontology, and social work and the law. Prerequisite: Varies with the topic and is given in the Course Schedule.</td>
</tr>
<tr>
<td>S W 387R</td>
<td>TREATMENT OF CHEM DEPENDENCE</td>
<td>Additional hour(s) to be arranged. Course number may be repeated for credit when the topics vary. A tutorial and seminar course designed to enable each student to undertake intensive study of selected aspects of social welfare practice. Topics include child abuse and neglect, chemical dependency, African American family, gerontology, and social work and the law. Prerequisite: Varies with the topic and is given in the Course Schedule.</td>
</tr>
<tr>
<td>S W 388S</td>
<td>FOUNDATIONS OF SOCIAL JUSTICE</td>
<td>History, demographics, and cultures of various populations at risk with an emphasis on self-awareness and understanding the impact of discrimination and oppression by individuals and society on people of diverse backgrounds, abilities, and orientations. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.</td>
</tr>
<tr>
<td>S W 389S</td>
<td>DYNAMS OF ORGS AND COMMUNITIES</td>
<td>The organizational and community context within which social services are delivered and the influence of funding, mandate, and organizational arrangements on service delivery, with attention given to populations at risk. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.</td>
</tr>
<tr>
<td>S W 389R</td>
<td>SOCL POLICY ANLY &amp; SOCL PROBS</td>
<td>Historical perspective on the development of social welfare institutions, programs, and policies. Students study methods of current policy analysis and evaluation of social problems. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.</td>
</tr>
<tr>
<td>S W 389T</td>
<td>SOCIAL WORK PRACTICE II</td>
<td>Students examine, critique, select, and apply social work micro, mezzo, and macro theories and methods in advanced clinical and community practice. Prerequisite:</td>
</tr>
</tbody>
</table>
S W n385R

Graduate standing in social work and concurrent enrollment in Social Work 384S, or graduate standing and consent of instructor or the graduate adviser.

- 92040 TTH 130 - 400P SSW 2.116 LINSEISEN, T
- 92045 MW 530 - 800P SSW 2.132 SWORDS, S

SOCIAL WORK RESEARCH METHODS
Study of the scientific method and the use of research as a tool for professional practice. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92050 TTH 530 - 800P SSW 2.112 YUMA, P

S W n387C

DIRECT PRACT FIELD IMMERSION
Offered on the credit/no credit basis only. Students work in a professional agency assisting clients. Prerequisite: Graduate standing in social work and consent of instructor or the graduate adviser.

- 92055 W 900 - 1030 SSW 2.134 KRETZSCHMAR, J

S W n387R

1-LOSS/GRIEF: INDIV/FAM PERSP
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser. Meets with S W 360K.

- 92060 TTH 200 - 430P SSW 2.122 SPARKS, D

16-DEV DIS & SELF-ADVOCACY-WB
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser. Taught as a Web-based course.

- 92065 DE LA GARZA, D

S W n393R

1-CLIN ASMT AND DIFFEREN DIAG
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92075 MW 230 - 500P SSW 2.122 POMEROY, E
- 92080 TTH 530 - 800P SSW 2.116 SUDOLSKY, M

3-THEOR AND METH OF FAM INTERV
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92085 TTH 900 - 1130 SSW 2.112 HAYNES, P

9-ASSMT/TREAT TRAUMATIZED POP
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92090 MW 830 - 1100 SSW 2.122 SPEIR, J

22-NEUROBIOLOGY AND S W PRACT
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92095 TTH 130 - 400P SSW 2.112 MONTGOMERY, A

23-TREATMENT SUBST USE DISORD
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser. Meets with S W 360K.

- 92100 MW 130 - 400P SSW 2.116 SHORKEY, C

24-TREATMENT OF CHILDREN/ADOLS
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92105 MW 530 - 800P SSW 2.116 BEER, M

26-THEOR/STHM ET/S OF GROUP INTVN
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92110 TTH 530 - 800P SSW 2.122 KASSLER, D

10-VOL/DEV/FUND-RAIS HUM SRV
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92115 MW 530 - 800P SSW 2.118 SMITH, R

19-STRAT PARTSHP COLLAB LDRSHIP
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92120 MW 830 - 1100 SSW 2.130 STREEKER, C

27-PROGRAM EVALUATION
Offered on the letter-grade basis only. Course number may be repeated for credit when the topics vary. May be repeated for credit. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser.

- 92125 MW 130 - 400P SSW 2.132 RIVAI, S

S W 9393U

3-WORKING WITH YOUTH GANGS
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser. Meets with S W 360K.

- 92130 MW TTH 830 - 1030 SSW 2.116 LAUDERDALE, M

22-CONTEMPP ISS DOMESTIC VIOL
Course number may be repeated for credit when the topics vary. Prerequisite: Graduate standing in social work, or graduate standing and consent of instructor or the graduate adviser. Meets Fridays, June 5, 12, 19, 26, and Saturdays, June 13 and 27, with meets with S W 360K.

- 92135 F 130 - 830P SSW 2.132 BUSCH-ARMENDARIZ, S

S W w394S

ADV FIELD INSTRUCTION
Course number may be repeated for credit when the topics vary. Supervised practicum, building on Social Work 384R and 384S, in the continued application of theory to practice at an advanced level within the student's chosen concentration. Social Work 694R and 384S can be taken concurrently in one semester to provide thirty-six hours of work a week (a total of at least 540 hours in one semester) in a social work agency or organization, or they can be taken over two semesters to provide sixteen to twenty hours of work a week (a total of at least 540 hours in two semesters) in the same agency. Prerequisite: Graduate standing in social work, consent of field director, and consent of graduate adviser.

- 92140

S W f395K

PERSPECTIVES ON PHILANTHROPY
Course number may be repeated for credit when the topics vary. Individual study in selected aspects of professional theory and practice. Some sections are offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of instructor or the graduate adviser. Meets with P A 338L.

- 92145 TTH 600 - 945P SH 3.316 GLADISH, K

S W n395K

CONF COURSE IN SOCIAL WORK
Course number may be repeated for credit when the topics vary. Restricted enrollment; contact the department for permission to register for this class. Course number may be repeated for credit when the topics vary. Individual study in selected aspects of professional theory and practice. Some sections are offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of instructor or the graduate adviser.

- 92150

S W w395K

CONF COURSE IN SOCIAL WORK
Course number may be repeated for credit when the topics vary. Individual study in selected aspects of professional theory and practice. Some sections are offered on the credit/no credit basis only. Prerequisite: Graduate standing and consent of instructor or the graduate adviser.

- 92155

S W w395L

RESEARCH PRACTICUM
Course number may be repeated for credit when the topics vary. Individual supervised research experience. Required of all doctoral students in social work. Prerequisite: Graduate standing, and consent of instructor or the graduate adviser.

- 92160

S W w395W

WRITING PRACTICUM
Course number may be repeated for credit when the topics vary. Individual supervised development of publishable written material. Prerequisite: Graduate standing and consent of instructor.

- 92165

S W w399R

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Admission to candidacy for the doctoral degree.

- 92170

S W w699R

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Admission to candidacy for the doctoral degree.

- 92175

S W w999R

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Admission to candidacy for the doctoral degree.

- 92180

S W 999R

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Social Work 399R, 699R, or 999R.

- 92185

S W w999W

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Social Work 399R, 699R, or 999R.

- 92190

S W w999W

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Social Work 399R, 699R, or 999R.

- 92195

S W w999W

DISSERTATION
Course number may be repeated for credit when the topics vary. Prerequisite: Social Work 399R, 699R, or 999R.
### Undergraduate Studies - UGS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>UGS 302</td>
<td>Comparative Value</td>
<td>1.00</td>
<td>MTWTH</td>
<td>1100 - 1230</td>
<td>SSS 1.020</td>
<td>GILBERT, D</td>
</tr>
</tbody>
</table>

#### Course Description:
Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation of stereotypes in society.

- **UGS 302**: Topic Description: Explores myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.
- **UGS 302**: Hours: 1.00
- **UGS 302**: Days: MTWTH
- **UGS 302**: Time: 1100 - 1230
- **UGS 302**: Room: SSS 1.020
- **UGS 302**: Instructor: GILBERT, D

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### SCHOOL OF UNDERGRADUATE STUDIES

#### BRIDGING DISCIPLINES PROGRAMS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<th>Time</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>BDP w320</td>
<td>Connecting Research Experience</td>
<td>1.00</td>
<td>M</td>
<td>1030 - 1230</td>
<td>SSW 2.140</td>
<td>GILBERT, D</td>
</tr>
</tbody>
</table>

#### Course Description:
Supervised research with a faculty member, related to the interdisciplinary themes of a Bridging Disciplines Program. Research may consist of an individual project or assisting a faculty research project. With consent of the Bridging Disciplines research coordinator, may be repeated for credit. Restricted to students in the Bridging Disciplines Programs. Prerequisite: Consent of the Bridging Disciplines research coordinator.

- **BDP w320**: Hours: 1.00
- **BDP w320**: Days: M
- **BDP w320**: Time: 1030 - 1230
- **BDP w320**: Room: SSW 2.140
- **BDP w320**: Instructor: GILBERT, D

---

### Connect the Virtual Space and the Physical World with UConn Bridge

Bridging Disciplines Programs provide unique opportunities for students to explore cross-disciplinary themes in a supportive environment. Programs are designed to accommodate 35 or fewer students. Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.

- **BDP w320**: Hours: 1.00
- **BDP w320**: Days: M
- **BDP w320**: Time: 1030 - 1230
- **BDP w320**: Room: SSW 2.140
- **BDP w320**: Instructor: GILBERT, D

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### Undergraduate Studies - UGS

<table>
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Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.

- **UGS 302**: Hours: 1.00
- **UGS 302**: Days: MTWTH
- **UGS 302**: Time: 1100 - 1230
- **UGS 302**: Room: SSS 1.020
- **UGS 302**: Instructor: GILBERT, D

---

### Connect the Virtual Space and the Physical World with UConn Bridge

Bridging Disciplines Programs provide unique opportunities for students to explore cross-disciplinary themes in a supportive environment. Programs are designed to accommodate 35 or fewer students. Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.

- **BDP w320**: Hours: 1.00
- **BDP w320**: Days: M
- **BDP w320**: Time: 1030 - 1230
- **BDP w320**: Room: SSW 2.140
- **BDP w320**: Instructor: GILBERT, D

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### Undergraduate Studies - UGS

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<tbody>
<tr>
<td>UGS 302</td>
<td>Comparative Value</td>
<td>1.00</td>
<td>MTWTH</td>
<td>1100 - 1230</td>
<td>SSS 1.020</td>
<td>GILBERT, D</td>
</tr>
</tbody>
</table>

#### Course Description:
Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.

- **UGS 302**: Hours: 1.00
- **UGS 302**: Days: MTWTH
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- **UGS 302**: Room: SSS 1.020
- **UGS 302**: Instructor: GILBERT, D

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### Connect the Virtual Space and the Physical World with UConn Bridge

Bridging Disciplines Programs provide unique opportunities for students to explore cross-disciplinary themes in a supportive environment. Programs are designed to accommodate 35 or fewer students. Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303, Restricted to first-year students. Topic description: Examines myths and realities of emotional disorders, critical analyses of works of literature and film in terms of perpetuation stereotypes in society.

- **UGS 302**: Hours: 1.00
- **UGS 302**: Days: MTWTH
- **UGS 302**: Time: 1100 - 1230
- **UGS 302**: Room: SSS 1.020
- **UGS 302**: Instructor: GILBERT, D
TEACHERS IN POPULAR CULTURE
Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Examines representations of teachers and teaching that are found in popular culture, with specific attention placed on how these representations shift and change in relation to space, time, and sociocultural context.

• 92362 TTHW 1000 - 1230P S2B 284 BROWN, K

US POVERTY IN NONFICTION/FILM
Designed to accommodate 35 or fewer students. Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Introduces critical past and present issues of poverty in the United States. Uses film and literature to understand causes and consequences of poverty and policies used to address it.

• 92355 TTHW 1130 - 200P SSW 2.122 FERGUSON, M

UGS 303

ADOLESCENT DEVEL & CHR CONDIT
Large-group lecture and discussion class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Challenges students to employ critical thinking skills to increase understanding of physical, physiological, cognitive, psychological, social, behavioral, moral, and quality of life aspects of growing up and development of adolescents living with chronic conditions. Focus is not on medical management of chronic conditions or physical disabilities. Within an ecological worldview and lifespan development perspective, normative and non-normative transitions will be emphasized with implications for health promotion, risk reduction, and condition management.

• 92360 TTHW 1000 - 300P S2B 370 KINTNER, E
• 92365 TTHW 1000 - 300P MAI 220C KINTNER, E
• 92370 TTHW 1000 - 300P S2B 370 KINTNER, E

GAMEPLAN FOR WINNING AT LIFE
Large-group lecture and discussion class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Examines how figures such as Alex Rodriguez, Ray Rice, Marion Jones, and Mike Tyson represent a subset of athletes who climbed to the pinnacle of their respective sports and plummeted to the basements of society due to personal and financial blunders. Appropriates the narratives of prominent athletes to construct a schema that undergraduates will use to forge a template for success beyond the 40 Acres. Explores critical issues including personal failure, human intelligence, moral ambiguity, and leadership.

• 92372 TTHW 1030 - 1100P WRW 113 ROBERTS, D

MENTAL FITNESS
Additional hour(s) to be arranged. Large-group lecture and discussion class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Explores stress and its effect on health, productivity and quality of life based on decades of research. Characterizes many factors that contribute to feeling constantly stressed as individuals and collectively as a society as well as identify effective strategies for keeping stress in check. Life skills for managing stress also addressed.

• 92375 TTHW 930 - 1100P NUR 1.105 ROLIN, D
• 92380 TTHW 930 - 1100P NUR 1.108 ROLIN, D

SCIENTIFIC INQUIRY: INVENTIVE
Large-group lecture and discussion class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective, includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Introduces classics of the European novel from the point of view of the representation of sexuality. Asks if one should interpret these novels as

UGS w310

HOW TO CHANGE THE WORLD
Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Explores challenges that contemporary students must face and become advocates for the causes they care about and to view themselves as active agents of social change. Explores moral responsibility to speak up when we see unfairness and giving voice to people who are victims of oppression and social injustice.

• 92420 WFW 230 - 400P MEZ B2.302 MOHAMMIAD, M
texts that police sexuality and reinforce stable social roles or if they subvert views of human sexuality as essentially reproductive or of human nature or identity as natural or transhistorical. Explores whether nineteenth- and early twentieth-century European novelists merely record shifts in sexual behavior or did they help invent what we now call “sexuality.”

- 92435 MTWTHF 830 - 1000 BUR 337 WILKINSON, L

**SPIES, ESPIONAGE, AND TREASON**

Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Espionage and treason throughout history, focusing especially on the 20th-century.

- 92440 TWTH 1130 - 200P CAL 21 KING, R

**TEACHERS IN POPULAR CULTURE**

Designed to accommodate 35 or fewer students. Seminar class focusing on a contemporary issue. Designed to introduce undergraduates to scholarly analysis from an interdisciplinary perspective. Includes an introduction to University resources, such as research facilities, museums, and attendance at University lectures or performances as assigned. Multiple sections may be offered in the fall and spring with various topics and instructors. Only one of the following may be counted: Tutorial Course 302, Undergraduate Studies 302, 303. Restricted to first-year students. Topic description: Examines representations of teachers and teaching that are found in popular culture, with specific attention placed on how these representations shift and change in relation to space, time, and sociocultural context.

- 92445 TWTH 1000 - 1230P SZB BROWN, K

**ANALYTICAL READING AND WRITING**

Examination of fundamental concepts in analytical reading from different disciplinary perspectives, with an emphasis on sociocultural influences on comprehension and writing styles. Prerequisite: Consent of the Texas Success Initiative coordinator.

- 92450 MTWTHF 830 - 1100 SAC 5.102 ROEBKE, J

**INTERCOLLEGIAL PROGRAMS**

**COMPUTATIONAL SCIENCE, ENGINEERING, AND MATHEMATICS**

**Computational Science, Engineering, and Mathematics - CSE**

**CSE 690**

INDIVIDUAL RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Individual study or research in computational science, engineering, and mathematics arranged by mutual agreement between student and supervising faculty member. Some sections are offered on the credit/no basis only. Prerequisite: Graduate standing and consent of instructor.

- 92505

**CSE 690A**

THESS

Offered on the credit/no credit basis only. Prerequisite: For 690A, graduate standing in computational science, engineering, and mathematics and consent of the graduate adviser; for 690B, Computational Science, Engineering, and Mathematics 690A.

- 92510

**CSE 690B**

THESS

Offered on the credit/no credit basis only. Prerequisite: For 690A, graduate standing in computational science, engineering, and mathematics and consent of the graduate adviser; for 690B, Computational Science, Engineering, and Mathematics 690A.

- 92520

**CSE 690R**

MASTER'S REPORT

Hour(s) to be arranged. Offered on the credit/no credit basis only. Preparation of a report to fulfill the requirement for the master’s degree under the report option. Prerequisite: Graduate standing in computational science, engineering, and mathematics arranged by mutual agreement between student and supervising faculty member. Some sections are offered on the credit/no basis only. Prerequisite: Graduate standing and consent of instructor.

- 92525

**CSE 699R**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 92530

**CSE 699R**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 92535

**CSE 699W**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Admission to candidacy for the doctoral degree.

- 92540

**CSE 699W**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Computational Science, Engineering, and Mathematics 399R, 699R, or 999R.

- 92545

**CSE 699W**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Computational Science, Engineering, and Mathematics 399R, 699R, or 999R.

- 92550

**CSE 699W**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Computational Science, Engineering, and Mathematics 399R, 699R, or 999R.

- 92555

**CSE 699W**

DISSERTATION

Offered on the credit/no credit basis only. Prerequisite: Computational Science, Engineering, and Mathematics 399R, 699R, or 999R.

- 92560

**CSE 630**

INDIVIDUAL RESEARCH

Hour(s) to be arranged. Offered on the credit/no credit basis only. May be repeated for credit. Individual study or research in computational science, engineering, and mathematics arranged by mutual agreement between student and supervising faculty member. Some sections are offered on the credit/no basis only. Prerequisite: Graduate standing and consent of instructor.

- 92560

**OFFICE OF THE VICE PROVOST AND DEAN OF GRADUATE STUDIES**

Graduate School - GRS

**GRS 382**

INSIDE VW FED POL MAK G PROC-DC

Hour(s) to be arranged. Restricted enrollment; contact the department for permission to register for this class. On-the-ground and behind-the-scenes study of the federal policymaking process and the institutions and people that comprise the federal government. Sampling of literature on federal government dynamic and face-to-face inter-
action with individuals from the major institutions that participate in federal governance. Discussion and analysis of information gathered from meetings with officials from Congress, the White House, executive branch agencies, lobbying firms, nongovernmental organizations, think tanks, interest groups, and the media. Restricted to students participating in the Archer Center graduate program in public policy. Prerequisite: Graduate standing. Restricted to students in the UT in DC Archer graduate program. Taught in Washington, DC.

DEV s000M BASIC MATH AND ALGEBRA SKILLS
Additional hour(s) to be arranged. Developmental mathematics instruction. Emphasis on fundamental mathematics, including computation skills, graphing, and solving word problems, and on algebraic graphing, equations, operations, and quadratics. Offered on the satisfactory/unsatisfactory basis only. With consent of the Texas Success Initiative office, may be repeated for credit. May not be counted toward any degree.

DEV s000R BASIC READING SKILLS
Additional hour(s) to be arranged. Developmental reading instruction, with emphasis on strategies for improving vocabulary, reading comprehension, and reading study skills. Offered on the satisfactory/unsatisfactory basis only. With consent of the Texas Success Initiative office, may be repeated for credit. May not be counted toward any degree.

DEV s000W BASIC WRITING SKILLS
Additional hour(s) to be arranged. Developmental writing instruction, with emphasis on the elements of composition, sentence structure, and standard English usage and mechanics. Offered on the satisfactory/unsatisfactory basis only. With consent of the Texas Success Initiative office, may be repeated for credit. May not be counted toward any degree.

DEV s303M BASIC MATH/ALGEBRA SKILLS REV
Restricted enrollment; contact the department for permission to register for this class. Offered on the satisfactory/unsatisfactory basis only. With consent of the Texas Success Initiative office, may be repeated for credit. May not be counted toward any degree.
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INTERNATIONAL OFFICE

English as a Second Language - ESL