

# COURSE OFFERINGS

## SPRING 2009

### JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEOSCIENCES

Charles G. Groat, Interim Dean  
JGB 6.218, C1160, 471-6048  
Fax: 471-5585  
URL: <http://www.jsg.utexas.edu>

#### ENERGY AND EARTH RESOURCES GRADUATE PROGRAM

Christopher Jablonowski, Interim Director  
JGB 5.202, C1100, 471-9875  
URL: <http://www.jsg.utexas.edu/eer/>

#### Energy and Earth Resources - EER

EER 396	ENERGY TECHNOLOGY AND POLICY GRADUATE STANDING REQUIRED. COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. EER 396 AND EMR 396 MAY NOT BOTH BE COUNTED UNLESS THE TOPICS VARY. MEETS WITH P A 388K, M E 397, CHE 359, M E 379M, MAN 385, CHE 384. • 26050 TTH 800 - 930 CPE 2.206 WEBBER, M	fee: \$126.69
	GROUNDWATER MGMT IN TEXAS II COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. EER 396 AND EMR 396 MAY NOT BOTH BE COUNTED UNLESS THE TOPICS VARY. MEETS WITH GEO 391, P A 388K. • 26055 M 200 - 500P JGB 3.104 EATON, D	fee: \$126.69
	INTL PETROL CONCESSN/AGREEMENT GRADUATE STANDING REQUIRED. RESTRICTED ENROLLMENT; CONTACT THE DEPARTMENT FOR PERMISSION TO REGISTER FOR THIS CLASS. COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. EER 396 AND EMR 396 MAY NOT BOTH BE COUNTED UNLESS THE TOPICS VARY. MEETS WITH PGE 363, PGE 383 (TOPIC 46). • 26060 F 300 - 600P CPE 2.206 MALIK, K	fee: \$126.69
	OIL & GAS FINANCIAL MANAGEMENT GRADUATE STANDING REQUIRED. RESTRICTED ENROLLMENT; CONTACT THE DEPARTMENT FOR PERMISSION TO REGISTER FOR THIS CLASS. COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. EER 396 AND EMR 396 MAY NOT BOTH BE COUNTED UNLESS THE TOPICS VARY. MEETS WITH PGE 383, PGE 371. • 26065 TH 400 - 700P ETC 2.132 MALIK, K	fee: \$126.69
EER 698A	THESIS OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. CONSENT OF THE GRADUATE ADVISER MUST BE OBTAINED. PREREQUISITE: GRADUATE STANDING IN ENERGY AND EARTH RESOURCES, AND AT LEAST 9 SEMESTER HOURS OF COURSEWORK IN THE ENERGY AND EARTH RESOURCES PROGRAM. • 26070	fee: \$126.69
EER 698B	THESIS OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: EER 698A. • 26075	fee: \$126.69

### DEPARTMENT OF GEOLOGICAL SCIENCES

Sharon Mosher, Chair  
JGB 2.104A, C1100, 471-5172  
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Undergraduate Office: JGB 2.120, 471-4486

Graduate Office: JGB 2.120, 471-6098

URL: <http://www.geo.utexas.edu/>

#### Geological Sciences - GEO

GEO 401	PHYSICAL GEOLOGY NATURE, PROPERTIES, AND DISTRIBUTION OF CRUSTAL MATERIALS; SURFICIAL PROCESSES; INTERNAL PROCESSES; ORIGIN OF CONTINENTS, OCEANS, AND OCEAN BASINS; MINERAL AND FUEL RESOURCES. ONLY 1 OF THE FOLLOWING MAY BE COUNTED: GEO 401, 303, 312K, 420H. • 26130 TTH 930 - 1100 JGB 2.324 LASSITER, J W 1000 - 1200 JGB 2.310 • 26135 TTH 930 - 1100 JGB 2.324 LASSITER, J F 1000 - 1200 JGB 2.310 • 26140 TTH 930 - 1100 JGB 2.324 LASSITER, J M 1200 - 200P JGB 2.310 • 26145 TTH 930 - 1100 JGB 2.324 LASSITER, J T 1200 - 200P JGB 2.310 • 26150 TTH 930 - 1100 JGB 2.324 LASSITER, J F 1200 - 200P JGB 2.310 • 26155 TTH 930 - 1100 JGB 2.324 LASSITER, J T 200 - 400P JGB 2.310 • 26160 TTH 930 - 1100 JGB 2.324 LASSITER, J TH 200 - 400P JGB 2.310 • 26165 TTH 930 - 1100 JGB 2.324 LASSITER, J M 400 - 600P JGB 2.310 • 26170 MWF 100 - 200P GSB 2.124 BENNETT, P T 1000 - 1200 JGB 2.310 • 26175 MWF 100 - 200P GSB 2.124 BENNETT, P W 1000 - 1200 JGB 2.310 • 26180 MWF 100 - 200P GSB 2.124 BENNETT, P TH 1000 - 1200 JGB 2.310 • 26185 MWF 100 - 200P GSB 2.124 BENNETT, P T 1200 - 200P JGB 2.310 • 26190 MWF 100 - 200P GSB 2.124 BENNETT, P M 400 - 600P JGB 2.310 • 26195 MWF 100 - 200P GSB 2.124 BENNETT, P T 400 - 600P JGB 2.310 • 26200 MWF 100 - 200P GSB 2.124 BENNETT, P TH 400 - 600P JGB 2.310	fee: \$180.97
GEO 302C	CLIMATE: PAST, PRESENT, FUTURE EARTH'S CLIMATE, EVIDENCE OF CLIMATE CHANGE, CAUSES OF CLIMATE CHANGE, NATURAL CLIMATIC VARIATIONS AND HUMAN-INDUCED CHANGES, PREDICTION OF CLIMATE IN THE NEXT 100 YRS, AND UNCERTAINTIES IN CLIMATE PREDICTION. DESIGNED FOR NONSCIENCE MAJORS. • 26205 MWF 800 - 900 JGB 2.216 YANG, Z W 800 - 930 JGB 2.308 • 26210 MWF 800 - 900 JGB 2.216 YANG, Z TH 800 - 930 JGB 2.308 • 26215 MWF 800 - 900 JGB 2.216 YANG, Z F 800 - 930 JGB 2.308 • 26220 MWF 800 - 900 JGB 2.216 YANG, Z M 1100 - 1230P JGB 2.308 • 26225 MWF 800 - 900 JGB 2.216 YANG, Z T 1100 - 1230P JGB 2.308 • 26230 MWF 800 - 900 JGB 2.216 YANG, Z W 1100 - 1230P JGB 2.308 • 26235 MWF 800 - 900 JGB 2.216 YANG, Z TH 1100 - 1230P JGB 2.308 • 26240 MWF 800 - 900 JGB 2.216 YANG, Z F 1100 - 1230P JGB 2.308	fee: \$135.69
GEO 302E	EARTH, WIND, AND FIRE GEOLOGIC PHENOMENA THAT AFFECT EVERYDAY LIFE, INCLUDING GLOBAL WARMING, EARTHQUAKES, VOLCANISM, DESERTIFICATION, RIVER AND COASTLINE FLOODING AND EROSION, GROUNDWATER, MINERAL RESOURCES, AND PLATE TECTONICS. MAY NOT BE COUNTED TOWARD A DEGREE IN GEOLOGICAL SCIENCES. DESIGNED FOR NONSCIENCE MAJORS. • 26245 MWF 1100 - 1200 JGB 2.324 KOCUREK, G M 800 - 930 JGB 2.308 • 26250 MWF 1100 - 1200 JGB 2.324 KOCUREK, G T 800 - 930 JGB 2.308 • 26255 MWF 1100 - 1200 JGB 2.324 KOCUREK, G M 930 - 1100 JGB 2.308 • 26260 MWF 1100 - 1200 JGB 2.324 KOCUREK, G T 930 - 1100 JGB 2.308 • 26265 MWF 1100 - 1200 JGB 2.324 KOCUREK, G TH 930 - 1100 JGB 2.308	fee: \$135.74



course	unique	days	time	room	instructor	course	unique	days	time	room	instructor	
GEO 210C	CONFERENCE COURSE fee: \$84.46 COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. MAY NOT BE SUBSTITUTED FOR ANY REQUIRED GEOLOGICAL SCIENCES COURSE. PREREQUISITE: WRITTEN CONSENT OF INSTRUCTOR.											SITE: APPLICATION TO BECOME A MEMBER OF THE HYDROGEOLOGY COOPERATIVE (GEOLOGICAL SCIENCES) PROGRAM AND CONSENT OF THE GEOLOGICAL SCIENCES UNDERGRADUATE ADVISER. SEE COURSE DESCRIPTION IN THE CURRENT UNDERGRADUATE CATALOG.
	• 26600											• 26700
GEO 310C	CONFERENCE COURSE fee: \$126.69 COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. MAY NOT BE SUBSTITUTED FOR ANY REQUIRED GEOLOGICAL SCIENCES COURSE. PREREQUISITE: WRITTEN CONSENT OF INSTRUCTOR.											GEO 330K
	• 26605											PETROL GEO: BASIN & TREND ANLY fee: \$165.69 PREREQUISITE: GEO 416M WITH A GRADE OF AT LEAST C, AND PHY 303L OR 316.
GEO 416M	SEDIMENTARY ROCKS fee: \$195.96 RESTRICTED TO GEOLOGICAL SCIENCES AND PETROLEUM ENGINEERING MAJORS. PREREQUISITE: GEO 401, 303, OR 312K WITH A GRADE OF AT LEAST C. EVENING EXAMS TO BE ARRANGED. 2 ONE-DAY FIELD TRIPS ON SATURDAY OR SUNDAY TO BE ARRANGED.											• 26705 MW 1000 - 1100 JGB 2.324 STEEL, R M 800 - 1000 JGB 2.310
	• 26610 MWF 900 - 1000 JGB 2.216 BANNER, J MW 1000 - 1200 JGB 3.202											• 26710 MW 1000 - 1100 JGB 2.324 STEEL, R T 800 - 1000 JGB 2.310
	• 26615 MWF 900 - 1000 JGB 2.216 BANNER, J TTH 1000 - 1200 JGB 3.202											• 26715 MW 1000 - 1100 JGB 2.324 STEEL, R W 800 - 1000 JGB 2.310
	• 26620 MWF 900 - 1000 JGB 2.216 BANNER, J TTH 1200 - 200P JGB 3.202											• 26720 MW 1000 - 1100 JGB 2.324 STEEL, R TH 800 - 1000 JGB 2.310
	• 26625 MWF 900 - 1000 JGB 2.216 BANNER, J WF 1200 - 200P JGB 3.202											• 26725 MW 1000 - 1100 JGB 2.324 STEEL, R F 800 - 1000 JGB 2.310
	• 26630 MWF 900 - 1000 JGB 2.216 BANNER, J MW 200 - 400P JGB 3.202											• 26730 MW 1000 - 1100 JGB 2.324 STEEL, R W 1200 - 200P JGB 2.310
	• 26635 MWF 900 - 1000 JGB 2.216 BANNER, J TTH 200 - 400P JGB 3.202											• 26735 MW 1000 - 1100 JGB 2.324 STEEL, R TH 1200 - 200P JGB 2.310
	• 26640 MWF 900 - 1000 JGB 2.216 BANNER, J MW 400 - 600P JGB 3.202											• 26740 MW 1000 - 1100 JGB 2.324 STEEL, R M 200 - 400P JGB 2.310
	• 26645 MWF 900 - 1000 JGB 2.216 BANNER, J MW 600 - 800P JGB 3.202											• 26745 MW 1000 - 1100 JGB 2.324 STEEL, R F 400 - 600P JGB 2.310
GEO 420K	INTRO TO FIELD AND STRAT METHS fee: \$260.92 GEO 420K AND 320L MAY NOT BOTH BE COUNTED. FOR GEOLOGICAL SCIENCES MAJORS. PREREQ: FOR STUDENTS SEEKING THE BS IN GEO SCI, GEO 416K AND 416M WITH GRADE AT LEAST C IN EACH, AND CREDIT WITH GRADE AT LEAST C OR REG FOR GEO 426P; FOR OTHERS, GEO 416K AND 416M WITH GRADE AT LEAST C IN EACH. 6 FIELD TRIPS LASTING 2 DAYS EACH ARE REQUIRED. LISTED FEE INCLUDES A SPECIAL FIELD COURSE FEE.											GEO 335
	• 26650 MW 200 - 300P JGB 3.222 KERANS, C F 200 - 500P JGB 3.104											GEO AND MIN RESOURCES OF TEXAS fee: \$135.69 MAY NOT BE COUNTED TOWARD THE BS IN GEOLOGICAL SCIENCES (OPTION I, II, OR III). PREREQUISITE: GEO 401, 303, OR 312K; AND GEO 404C OR 405.
	• 26655 MW 200 - 300P JGB 3.222 KERANS, C F 200 - 500P JGB 3.114											• 26750 TTH 1100 - 1230P JGB 3.222 KYLE, J W 1000 - 1100 JGB 3.204
	• 26660 MW 200 - 300P JGB 3.222 KERANS, C F 200 - 500P JGB 3.104											• 26755 TTH 1100 - 1230P JGB 3.222 KYLE, J TH 200 - 300P JGB 3.204
GEO 322S	DEVEL AND EVOL VERTEBRATE SKEL fee: \$165.69 UPPER-DIVISION STANDING REQUIRED. RESTRICTED ENROLLMENT; CONTACT THE DEPARTMENT FOR PERMISSION TO REGISTER FOR THIS CLASS. INTRODUCTION TO THE ORGANIZATION AND DEVELOPMENT OF THE VERTEBRATE SKELETON; SURVEY OF VERTEBRATE HISTORY. DESIGNED FOR MAJORS IN GEOLOGICAL SCIENCES AND ASSOCIATED FIELDS OF NATURAL HISTORY. MEETS WITH GEO 391.											GEO 341
	• 26665				ROWE, T							MINERAL RESOURCES/SOCTY/ENVIR fee: \$155.69 PREREQUISITE: GEO 416K WITH A GRADE OF AT LEAST C. MEETS WITH GEO 386E.
GEO 322V	MORPHOL OF VERTEBRATE SKELETON fee: \$135.69 RESTRICTED ENROLLMENT; CONTACT THE DEPARTMENT FOR PERMISSION TO REGISTER FOR THIS CLASS. PREREQUISITE: 1 OF THE FOLLOWING: GEO 404C, 405, OR THE EQUIVALENT, OR 3 SEMESTER HOURS OF COURSEWORK IN BIOLOGY, OR CONSENT OF INSTRUCTOR. MEETS WITH GEO 389R.											• 26760 TTH 930 - 1100 JGB 3.116 KYLE, J T 100 - 300P JGB 3.108
	• 26670 TTH 200 - 330P JGB 3.218 BELL, C TTH 330 - 530P JGB 3.218											GEO 346C
GEO 325J	INTRO GEOSCIENCE COMPUTATION fee: \$126.69 RESTRICTED TO GEOSCIENCES MAJORS. PREREQUISITE: M 408D OR THE EQUIVALENT.											INTRO PHYSCL/CHEM HYDROGEOLOGY fee: \$132.69 PREREQUISITE: CH 302 WITH A GRADE OF AT LEAST C.
	• 26675 T 900 - 1100 JGB 2.202 LAVIER, L TH 900 - 1100 JGB 2.108											• 26765 TTH 1100 - 1230P JGB 3.120 CARDENAS, M
GEO 426P	IGNEOUS & METAMORPH PETROLOGY fee: \$180.92 PREREQUISITE: GEO 416K WITH A GRADE OF AT LEAST C, AND CREDIT WITH A GRADE OF AT LEAST C OR REGISTRATION FOR EITHER PHY 301 AND 101L OR 303K AND 103M.											GEO 347K
	• 26680 MWF 1000 - 1100 JGB 2.218 CARLSON, W TTH 1000 - 1200 JGB 3.114											GEMS AND GEM MINERALS fee: \$135.69 MAY NOT BE COUNTED TOWARD A DEGREE IN GEOLOGICAL SCIENCES.
	• 26685 MWF 1000 - 1100 JGB 2.218 CARLSON, W TTH 1200 - 200P JGB 3.114											• 26770 MWF 1000 - 1100 JGB 3.116 HELPER, M M 1200 - 200P JGB 3.102
	• 26690 MWF 1000 - 1100 JGB 2.218 CARLSON, W TTH 200 - 400P JGB 3.114											• 26775 MWF 1000 - 1100 JGB 3.116 HELPER, M W 1200 - 200P JGB 3.102
	• 26695 MWF 1000 - 1100 JGB 2.218 CARLSON, W MW 300 - 500P JGB 3.114											• 26780 MWF 1000 - 1100 JGB 3.116 HELPER, M M 200 - 400P JGB 3.102
GEO 329W	HYDROGEOLOGY COOP (GEOL SCI) fee: \$126.69 HOUR(S) TO BE ARRANGED. 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 3 SEM HRS MAY COUNT TOWARD MAJ REQ; NO MORE THAN 6 SEM HRS MAY COUNT TOWARD DEGREE. STUDENT'S FIRST REG MUST BE ON PASS/FAIL BASIS. PREREQUI-											GEO 354
												GLOBAL GEOPHYSICS-W fee: \$135.69 CONTAINS A SUBSTANTIAL WRITING COMPONENT AND FULFILLS PART OF THE BASIC EDUCATION REQUIREMENT IN WRITING. PREREQUISITE: M 408D WITH GRADE OF AT LEAST C; EITHER PHY 303L AND 103N OR 316 AND 116L WITH A GRADE OF AT LEAST C IN EACH; AND PHY 315 AND 115L WITH A GRADE OF AT LEAST C IN EACH, OR CONSENT OF INSTRUCTOR. MEETS WITH GEO 384D.
												• 26785 MWF 900 - 1000 JGB 3.116 GRAND, S
												GEO 365N
												GEOPHYSICAL DATA PROCESSING fee: \$135.69 PREREQUISITE: GEO 325K OR THE EQUIVALENT. MEETS WITH GEO 384R.
												• 26790 M 100 - 300P JGB 3.116 WILSON, C W 100 - 200P JGB 3.116
												GEO 468K
												GEOPHYSICS FOR GEO SCI MAJORS fee: \$180.92 MAY NOT BE COUNTED TOWARD THE BS IN GEOLOGICAL SCIENCES, OPTION II. PREREQUISITE: M 408D AND EITHER PHY 303L AND 103N OR 316 AND 116L, WITH A GRADE OF AT LEAST C IN EACH.
												• 26795 M 800 - 1000 JGB 3.120 WILSON, C F 1000 - 1200 JGB 3.202
												• 26800 M 800 - 1000 JGB 3.120 WILSON, C TH 1100 - 100P JGB 3.204
												• 26805 M 800 - 1000 JGB 3.120 WILSON, C W 200 - 400P JGB 3.204
												W 900 - 1000 JGB 3.120
												GEO 171C
												CONFERENCE COURSE fee: \$42.23 HOUR(S) TO BE ARRANGED. COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. MAY NOT BE SUBSTITUTED FOR ANY REQUIRED GEOLOGICAL SCIENCES COURSE. PREREQUISITE: WRITTEN CONSENT OF INSTRUCTOR.
												• 26810





course	unique	days	time	room	instructor	course	unique	days	time	room	instructor
RSCH IN ISOTOPE GEOCH/ENR CHNG					fee: \$33.99	VARY. RESEARCH IN VERTEBRATE ANATOMY AND PALEONTOLOGY. PRE-REQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27200					BELL, C
• 27125					BANNER, J	RSCH IN VERTEBRATE PALEONTOL					fee: \$33.99
RSCH IN ISOTOPE GEOLOGY					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. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27205					ROWE, T
• 27130					LONG, L	GEO 698A	THESIS				fee: \$33.99
RSCH IN METAMORPHIC PETROLOGY					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. CONSENT OF THE GRADUATE ADVISER MUST BE OBTAINED. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27210					
• 27135					CARLSON, W	GEO 698B	THESIS				fee: \$33.99
RSCH IN PALEONTOLOGY					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: GEO 698A.					
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 IN GEOLOGICAL SCIENCES.						• 27215					
• 27140					SPRINKLE, J	GEO 398R	MASTER'S REPORT				fee: \$33.99
RSCH IN PHYSICAL HYDROLOGY					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27220					
• 27145					CARDENAS, M	GEO 399R	DISSERTATION				fee: \$33.99
RSCH IN REFLECTION GEOPHYSICS					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: ADMIS- SION TO CANDIDACY FOR THE DOCTORAL DEGREE.					
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 IN GEOLOGICAL SCIENCES.						• 27225					
• 27150						GEO 699R	DISSERTATION				fee: \$67.98
RSCH IN RESERVOIR GEOLOGY					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: ADMIS- SION TO CANDIDACY FOR THE DOCTORAL DEGREE.					
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 IN GEOLOGICAL SCIENCES.						• 27230					
• 27155					TINKER, S	GEO 999R	DISSERTATION				fee: \$101.97
RSCH IN SEDIMENTARY PROCESSES					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: ADMIS- SION TO CANDIDACY FOR THE DOCTORAL DEGREE.					
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 IN GEOLOGICAL SCIENCES.						• 27235					
• 27160					KOCUREK, G	GEO 399W	DISSERTATION				fee: \$33.99
RSCH IN SEDIMENTATN/TECTONICS					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: GEO 399R, 699R, OR 999R.					
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 IN GEOLOGICAL SCIENCES.						• 27240					
• 27165					HORTON, B	GEO 699W	DISSERTATION				fee: \$67.98
RSCH IN SEISMIC WAVE PROPAGATN					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: GEO 399R, 699R, OR 999R.					
HOUR(S) TO BE ARRANGED. OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. COURSE NUMBER MAY BE REPEATED FOR CREDIT WHEN THE TOPICS VARY. ATTENUATION AND ANISOTROPY. PREREQUISITE: GRADUATE STAND- ING IN GEOLOGICAL SCIENCES.						• 27245					
• 27170					SEN, M	GEO 999W	DISSERTATION				fee: \$101.97
RSCH IN SEISMOLOGY					fee: \$33.99	OFFERED ON THE CREDIT/NO CREDIT BASIS ONLY. PREREQUISITE: GEO 399R, 699R, OR 999R.					
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 IN GEOLOGICAL SCIENCES.						• 27250					
• 27175					GRAND, S	RSCH IN SOLID EARTH GEOPHYSICS					fee: \$33.99
RSCH IN SOLID EARTH GEOPHYSICS					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. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27180					
• 27185					WILSON, C	RSCH IN STRUCTURAL GEOLOGY					fee: \$33.99
RSCH IN STRUCTURAL GEOLOGY					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. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27185					
• 27190					MARRETT, R	RSCH IN STRUCTURAL PETROLOGY					fee: \$33.99
RSCH IN STRUCTURAL PETROLOGY					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. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27190					
• 27195					MOSHER, S	RSCH IN TECTS AND PETROLOGY					fee: \$33.99
RSCH IN TECTS AND PETROLOGY					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. PREREQUISITE: GRADUATE STANDING IN GEOLOGICAL SCIENCES.					
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 IN GEOLOGICAL SCIENCES.						• 27195					
• 27195					CLOOS, M	RSCH IN VERTEB ANAT/PALEONTOL					fee: \$33.99
RSCH IN VERTEB ANAT/PALEONTOL					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					