

DATE: 10-09-2017
TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 991

COLLEGE : D - Environment
DEPARTMENT: EARTH AND SPACE SCIENCES

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U	GRD SYS	D E	S H F U N E	L I P & N	V A S	E E L C M	W R Q T S N	RESPONS COURSE	JOINT COURSES	O M I T
ESS 100	DINOSAURS Dinosaurs	AUT/2009 -	AUT/9999	2.0	.	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:12/01/85										
COMMENT:MOVE COLLEGE															
ESS 101	INTRO TO GEOL SCI Introduction to Geological Sciences	AUT/2009 -	AUT/2017	5.0	.	.	.	Y	.	.	Y	.	.	.	.
					LAST UPDT: 9/25/17 APPROVED: 1/01/82										
					FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081										
ESS 101	GEOLOGY & SOCIETY Introduction to Geology & Societal Impacts	WIN/2018 -	AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.	.
					LAST UPDT: 9/25/17 APPROVED: 1/01/82										
					FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081										
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	SPR/2016 -	AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.	.
					LAST UPDT: 9/20/12										
					FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081										
ESS 103	MINERALS AND GEMS Minerals and Gems	AUT/2009 -	AUT/9999	3.0	.	.	.	Y	.	.	Y	.	.	.	.
					LAST UPDT: 8/06/12 APPROVED: 9/24/01										
					FEE TYPE:1 \$11.00 BUDGET:069340 REV OBJ CD:943081										
ESS 104	PREHISTORIC LIFE Prehistoric Life	AUT/2009 -	AUT/9999	3.0	.	.	.	Y	.	.	Y	.	.	.	.
					LAST UPDT: 8/06/12 APPROVED: 1/30/03										
					FEE TYPE:1 \$10.00 BUDGET:069340 REV OBJ CD:943081										
ESS 105	PROCESSES & HAZARDS The Earth: Its Processes and Hazards	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	.	Y	.	.	.	.
					LAST UPDT: 8/06/12 APPROVED: 4/28/03										
					FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081										
ESS 106	LIVING WITH VOLCANO Living with Volcanoes	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	Y	Y	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 4/28/03										
COMMENT:MOVE COLLEGE															
ESS 115	INTRO ASTROBIOLOGY Astrobiology: Life in the Universe	SPR/2010 -	AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 2/10/10 APPROVED: 2/27/04										
COMMENT:MOVE JT COLLEGE															
															OCEAN 115
															ASTR 115
															BIOL 114

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D D S H F V L E C Q T										RESPONS	JOINT	M								
						-ALL	U	GRD	E	U	N	E	P	N	C				M	S	N	A	S	W	T	P

ESS	119	ESS LAB TOURS Introduction to Laboratories	SPR/2013 - AUT/9999	1.0	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 1/16/13 APPROVED: 1/15/12																				
ESS	201	EARTH CLIMATE The Earth System and Climate	SPR/2017 - WIN/2018	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/25/17 APPROVED: 6/27/01																				
ESS	201	CLIMATE SYSTEM Earth's Climate System	SPR/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/25/17 APPROVED: 6/27/01																				
ESS	202	EARTHQUAKES Earthquakes	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/18/12 APPROVED: 3/13/97																				
						COMMENT:ADD AOK FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081																				
ESS	203	GLACIERS/GLBL CHNGE Glaciers and Global Change	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/14/14 APPROVED: 9/28/98																				
						COMMENT:CHG AOK, DESC FEE TYPE:1 \$12.00 BUDGET:069340 REV OBJ CD:943081																				
ESS	204	PALEOBI MASS EXTNCT The Paleobiology and Geobiology of Mass Extinctions	WIN/2015 - AUT/9999	3.0-04.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:11/19/14 APPROVED:11/18/14																				
ESS	205	ACCESS TO SPACE Access to Space	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/06/12 APPROVED: 2/26/03																				
						COMMENT:MOVE COLLEGE FEE TYPE:1 \$32.00 BUDGET:069340 REV OBJ CD:943081																				
ESS	209	INTERDISC FIELD SEM Interdisciplinary Earth Sciences Field Seminar	AUT/2009 - AUT/9999	3.0-12.0	12.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 7/13/05																				
						COMMENT:MOVE COLLEGE																				
ESS	210	PHYSICAL GEOLOGY Physical Geology	SPR/2017 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 1/05/17 APPROVED: 1/01/82																				
						FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081																				
ESS	211	PHYS PROC EARTH Physical Processes of the Earth	SPR/2017 - AUT/2017	5.0	.	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 6/21/17 APPROVED: 3/17/97																				
						FEE TYPE:1 \$26.00 BUDGET:069340 REV OBJ CD:943081																				

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T
ESS 211	PHYS PROC EARTH Physical Processes of the Earth	WIN/2018 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 6/21/17 APPROVED: 3/17/97 FEE TYPE:1 \$26.00 BUDGET:069340 REV OBJ CD:943081														
ESS 212	EARTH MATERIALS Earth Materials and Processes	SPR/2017 -	AUT/2017	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 6/21/17 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:069340 REV OBJ CD:943081														
ESS 212	EARTH MATERIALS Earth Materials and Processes	WIN/2018 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 6/21/17 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:069340 REV OBJ CD:943081														
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	SUM/2017 -	AUT/2017	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 6/21/17 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	WIN/2018 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 6/21/17 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														
ESS 230	RIVERS AND BEACHES Rivers and Beaches	SPR/2010 -	AUT/9999	3.0-05.0	.	.	.	. . Y	.	. . Y		ESS 230	OCEAN 230	.
LAST UPDT: 8/06/12 APPROVED: 4/28/03 COMMENT:MOVE JT COLLEGE FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081														
ESS 290	SPECIAL TOPICS Special Topics	WIN/2017 -	AUT/9999	1.0-10.0	20.0	.	.	. . .	.	. . Y				.
LAST UPDT: 5/11/17 APPROVED: 6/07/16														
ESS 301	GEOL OF NORTHWEST Geology of the Northwest	AUT/2009 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 8/06/12 COMMENT:MOVE COLLEGE FEE TYPE:1 \$25.00 BUDGET:069340 REV OBJ CD:943081														
ESS 302	GREAT ICE AGE Great Ice Age	AUT/2009 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 8/06/12 APPROVED:10/01/85 COMMENT:MOVE COLLEGE FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														

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ESS 303	GEOLOGIC HAZARDS GEOLGOIC HAZARDS	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:12/11/12 APPROVED:12/06/91									
					COMMENT:MOVE COLLEGE									
ESS 304	NW VOLC AND GLAC Volcanoes and Glaciers of the Pacific Northwest	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 8/06/12 APPROVED:12/01/83									
					FEE TYPE:1 \$39.00 BUDGET:069340 REV OBJ CD:943081									
ESS 305	GEOL NATIONAL PARKS Geology of the National Parks	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 8/06/12 APPROVED:12/01/89									
					FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081									
ESS 306	PLANETARY GEOLOGY Planetary Geology	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:12/10/90									
					COMMENT:MOVE COLLEGE									
ESS 307	ESS DIV OUTREACH Diversity Outreach Program in Earth and Space Sciences	SPR/2017 -	AUT/9999	3.0-05.0	.	.	.	.	.	Y	Y	.	.	.
					LAST UPDT: 2/13/17 APPROVED:12/13/16									
ESS 310	EARTH SCI MATH Mathematical Methods in the Earth Sciences	SUM/2017 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 3/22/17 APPROVED: 8/21/12									
ESS 311	GEOMECHANICS Geomechanics	SPR/2017 -	AUT/2017	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 6/21/17 APPROVED: 2/25/98									
					FEE TYPE:1 \$10.00 BUDGET:069340 REV OBJ CD:943081									
ESS 311	GEOMECHANICS Geomechanics	WIN/2018 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT: 6/21/17 APPROVED: 2/25/98									
					FEE TYPE:1 \$10.00 BUDGET:069340 REV OBJ CD:943081									
ESS 312	GEOCHEMISTRY Geochemistry	SPR/2017 -	AUT/2017	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 6/21/17 APPROVED: 2/25/98									

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ESS 312	GEOCHEMISTRY Geochemistry	WIN/2018 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 6/21/17 APPROVED: 2/25/98														
ESS 313	GEOBIOLOGY Geobiology	SPR/2017 -	AUT/2017	5.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 6/15/17 APPROVED: 2/25/98 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														
ESS 313	GEOBIOLOGY Geobiology	WIN/2018 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 6/15/17 APPROVED: 2/25/98 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														
ESS 314	GEOPHYSICS Geophysics	SPR/2017 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 1/13/17 APPROVED:10/29/03														
ESS 315	ENVIR EARTH SCI Environmental Earth Science	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	ESS 315 ENVIR 313	.
LAST UPDT: 8/06/12 APPROVED: 3/01/76 FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														
ESS 320	CHANGING RIVERS Changing Rivers of Puget Sound	SPR/2011 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	ESS 320 ENVIR 320	.
LAST UPDT: 8/05/14 APPROVED:12/21/10 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT: DING AIS 320														
ESS 326	GEOMORPHOLOGY Geomorphology	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 9/28/12 APPROVED: 2/25/98 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:CHG PREQ														
ESS 345	MINERAL DEPOSITS The Environment of Fuel and Mineral Deposits	SPR/2012 -	AUT/9999	3.0	.	.	.	Y	.	Y Y	.	.	.	.
LAST UPDT: 8/06/12 APPROVED: 9/24/01 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:EMAIL PREQ CHG														
ESS 400	FIELD GEOLOGY Field Geology	AUT/2009 -	AUT/9999	12.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 8/12/09 APPROVED: 3/01/89														
COMMENT:MOVE COLLEGE														

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ESS 401	REGIONAL GEOL PNW Regional Geology of the Pacific Northwest	AUT/2009 - AUT/9999	3.0		.	.	.	. . Y	.	. Y	.			.
					LAST UPDT: 8/06/12 APPROVED: 5/20/96 FEE TYPE:1 \$45.00 BUDGET:069340 REV OBJ CD:943081									
ESS 402	INTL FIELD GEOLOGY International Field Geology	AUT/2009 - AUT/9999	3.0-12.0	12.0	.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 8/12/09 APPROVED:12/01/99									
ESS 403	GLOBAL TECTONICS Global Tectonics	SUM/2017 - AUT/9999	5.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 3/22/17 APPROVED: 1/28/00									
ESS 406	EARTH SCI FOR TEACH Earth Sciences for Middle and High School Science Teachers: Solid Earth	AUT/2009 - AUT/9999	3.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 8/12/09 APPROVED: 2/25/02									
ESS 408	GREAT ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 8/12/09 APPROVED: 3/29/06									
ESS 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	AUT/2010 - AUT/9999	4.0		.	.	.	. . Y	.	. Y		OCEAN 410	OCEAN 410	.
					LAST UPDT: 7/23/15 FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081									
ESS 411	CONTINUUM MECHANICS Geophysical Continuum Mechanics	SPR/2017 - AUT/9999	5.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 1/12/17									
ESS 412	INTRO SEISMOLOGY Introduction to Seismology	SPR/2017 - AUT/9999	3.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 1/12/17									
ESS 413	GEOPHYSICS EARTH Geophysics: The Earth	AUT/2009 - AUT/9999	3.0		.	.	.	. . .	.	. Y	.			.
					LAST UPDT: 8/12/09									
COMMENT:MOVE COLLEGE														

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ESS 414	FLUIDS Geophysics: Fluids	SPR/2017	- AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 1/12/17														
ESS 415	SPACE AND PLASMAS Space and Plasmas	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	Y	.	.	Y	.
LAST UPDT: 8/12/09														
COMMENT:MOVE COLLEGE														
ESS 416	GEOPHYS ATMOS Geophysics: The Atmosphere	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 8/12/09 APPROVED:10/12/72														
COMMENT:MOVE COLLEGE														
ESS 418	GEOSCIENCE COMM Geoscience Communication	SPR/2017	- AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/03/17 APPROVED: 6/15/10														
ESS 420	INTRO GIS EARTH SCI Introduction to Geographic Information Systems for the Earth Sciences	AUT/2016	- AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/06/17 APPROVED:12/20/11														
ESS 421	INTRO REMOT SENSING Introduction to Geological Remote Sensing	AUT/2009	- AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 5/04/17 APPROVED: 6/01/81														
COMMENT:MOVE COLLEGE FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														
ESS 422	SPECTRL REMOTE SENS Intermediate Spectral Remote Sensing	AUT/2009	- AUT/9999	4.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 8/12/09 APPROVED: 9/20/99														
COMMENT:MOVE COLLEGE														
ESS 424	WATER IN ENVIRONMNT Water in the Environment	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT: 9/06/12 APPROVED: 2/25/00														
COMMENT:MOVE COLLEGE														
ESS 425	TECTONIC GEOMORPH Tectonic Geomorphology	SUM/2017	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/22/17 APPROVED:11/17/15														
ESS 426	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2012	- AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 9/28/12 APPROVED: 1/01/79														
COMMENT:CHG PREQ FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														

ESS 424 ATM S 460
PHYS 460

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ESS 427	HILLSLOPE GEOMORPH Hillslope Geomorphology	AUT/2013 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
					LAST UPDT: 8/20/13 APPROVED: 1/01/79 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081									
ESS 428	LANDSCAPE EVOLUTION LANDSCAPE EVOLUTION	AUT/2009 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 8/12/09 APPROVED: 2/25/98									
ESS 431	PRINS OF GLACIOLOGY Principles of Glaciology	AUT/2012 -	AUT/9999	4.0	.	.	.	. . Y	.	. . Y				.
					LAST UPDT: 9/28/12 APPROVED: 6/01/89 FEE TYPE:1 \$17.00 BUDGET:069340 REV OBJ CD:943081									
ESS 432	GLACIAL GEOLOGY Glacial Geology	AUT/2009 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 8/12/09 APPROVED:12/01/79									
ESS 433	ENV OF GLACIAL AGES Environmental Change in the Glacial Ages	AUT/2010 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 4/19/10 APPROVED:12/01/85									
ESS 435	GLACIAL PERIGLACIAL Glacial-Periglacial Geomorphology NW	SUM/2017 -	AUT/9999	3.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 3/22/17 APPROVED:12/21/10									
ESS 437	MINERALOGY Mineralogy	SPR/2017 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 1/05/17 APPROVED:10/26/99									
ESS 439	PETRG/PETRL IGN RCK Petrology of Igneous Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 8/12/09									
ESS 440	PETRO/PETRL META RK Petrography and Petrology of Metamorphic Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	. . .	.	. . Y				.
					LAST UPDT: 8/12/09									

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ESS 441	PETRG/PETRL SED RCK Petrology and Petrography of Sedimentary Rocks	AUT/2009 - AUT/9999	5.0		.	.	.	.	Y	.			.
					LAST UPDT: 8/12/09 APPROVED:12/01/81								
COMMENT:MOVE COLLEGE													
ESS 445	GEOL OF ORE DEPOSIT Geology of Ore Deposits	AUT/2009 - AUT/9999	5.0		.	.	.	Y	.	Y			.
					LAST UPDT: 8/06/12 APPROVED: 6/01/77								
COMMENT:MOVE COLLEGE					FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081								
ESS 447	ENGINEERING GEOLOGY Engineering Geology: Methods and Application	AUT/2013 - AUT/9999	4.0		.	.	.	Y	.	.			.
					LAST UPDT: 8/20/13 APPROVED: 2/28/12								
COMMENT:ADD FEE					FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081								
ESS 449	BIOL FIELD METHODS Intensive Field Experience in Biology	SUM/2015 - AUT/9999	3.0-05.0		.	.	.	Y	.	Y	BIOL 475	BIOL 475	.
					LAST UPDT: 6/04/15 APPROVED:12/21/10								
COMMENT:CHG CREDITS					FEE TYPE:1 \$120.00 BUDGET:069377 REV OBJ CD:943081								
ESS 450	PALEOBIOLOGY Paleobiology	AUT/2009 - AUT/9999	3.0		.	.	.	Y	.	Y			.
					LAST UPDT: 8/06/12 APPROVED: 2/01/82								
COMMENT:MOVE COLLEGE					FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081								
ESS 451	INVERT PALEONTOLOGY Invertebrate Paleontology	WIN/2013 - AUT/9999	5.0		.	.	.	Y	.	Y	ESS 451	BIOL 451	.
					LAST UPDT: 3/11/16 APPROVED: 2/25/02								
COMMENT:CHG FEE					FEE TYPE:1 \$62.00 BUDGET:069377 REV OBJ CD:943081								
ESS 452	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0		.	.	.	Y	.	Y	BIOL 450	BIOL 450	.
					LAST UPDT: 3/21/16 APPROVED:10/25/06								
COMMENT:CHG FEE					FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081								
ESS 453	FOSSIL MAMMALS Fossil Mammals	AUT/2009 - AUT/9999	5.0		.	.	.	.	Y	.			.
					LAST UPDT: 8/12/09 APPROVED:12/01/85								
COMMENT:MOVE COLLEGE													
ESS 454	HYDROGEOLOGY Hydrogeology	SUM/2017 - AUT/9999	4.0		.	.	.	.	Y	.			.
					LAST UPDT: 3/22/17 APPROVED: 5/19/09								

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						-ALL	U	GRD	E	U	N	E	P	I	C	M				S	N
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	
ESS	455	STRATIGRAPHY Stratigraphy	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 8/06/12															
						FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081															
ESS	456	DEPOSTINAL ENVIRONS Depositional Environments	SUM/2017 -	AUT/9999	4.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 3/22/17 APPROVED: 1/01/82															
						FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081															
ESS	457	ENV GEOCHEM Environmental Geochemistry	WIN/2017 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT:11/30/16 APPROVED: 3/29/06															
ESS	458	ISOTOPE GEOL LITHOS ISOTOPE AND TRACE ELEMENT GEOLOGY: LITHOSPHERE	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 6/01/90															
						COMMENT:UPDATE PREQ, COLLEGE															
ESS	459	ENV ISOTOPE GEOCHEM Environmental Isotope Geology	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED:10/01/74															
						COMMENT:MOVE COLLEGE															
ESS	460	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 3/29/04															
						COMMENT:MOVE COLLEGE															
ESS	461	GEOLOGICAL TIME Geological Time	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 3/27/95															
						COMMENT:MOVE COLLEGE															
ESS	462	VOLCANIC PROCESSES Volcanic Processes	SPR/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT:12/12/13 APPROVED: 6/01/99															
						COMMENT:EMAIL PREQ CHG															
ESS	463	STRUCTURE TECTONICS Structure and Tectonics	SPR/2017 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
						LAST UPDT:11/30/16 APPROVED: 2/25/98															
						FEE TYPE:1 \$150.00 BUDGET:069340 REV OBJ CD:943081															

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L P & N A S W	E E C M S T P R	W Q T R G	RESPONS COURSE	JOINT COURSES	O M I T		
ESS	464 GEODYNAMICS GEODYNAMICS	AUT/2012 - AUT/9999	4.0	.	.	.	. . .	. . Y		.				.	
				LAST UPDT:		9/06/12	APPROVED:		2/28/94						
COMMENT:UPDATE PREQ															
ESS	465 SEIS & ERTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	.	.	.	. . .	. . Y			CEE	431 CEE	431	.	
				LAST UPDT:		3/21/16	APPROVED:		12/01/99						
COMMENT:UPDATE PREQ															
ESS	466 APPLIED SEISMOLOGY APPLIED SEISMOLOGY	AUT/2009 - AUT/9999	2.0	.	.	.	. . .	. . Y						.	
				LAST UPDT:		8/12/09	APPROVED:		1/01/88						
COMMENT:MOVE COLLEGE															
ESS	467 SEIS EXPLR & STRAT Seismic Exploration and Stratigraphy	SPR/2017 - AUT/2017	5.0	.	.	.	. . .	. . Y			ESS	467 OCEAN	412	.	
				LAST UPDT:		9/25/17	APPROVED:		12/01/89						
ESS	467 SEISMIC EXPLORATION Seismic Exploration	WIN/2018 - AUT/9999	3.0	.	.	.	. . .	. . Y			ESS	467 OCEAN	412	.	
				LAST UPDT:		9/25/17	APPROVED:		12/01/89						
ESS	471 INTRO TO SPACE PHYS Introduction to Space Physics	AUT/2009 - AUT/9999	3.0	.	.	.	. . .	. . Y						.	
				LAST UPDT:		8/12/09	APPROVED:		9/27/91						
COMMENT:MOVE COLLEGE															
ESS	472 ROCKETS & INSTRUMNT Rockets and Instrumentation	WIN/2012 - AUT/9999	2.0-04.0	12.0	.	.	. . Y							.	
				LAST UPDT:		8/06/12	APPROVED:		2/21/07						
COMMENT:CHG CREDITS, DESC				FEE TYPE:1	\$175.00	BUDGET:069340	REV OBJ CD:943081								
ESS	475 CLMT SCI RSRCH SMNR Current Research in Climate Science Seminar	AUT/2011 - AUT/9999	3.0	6.0	.	.	. . .				OCEAN	475 ATM S	475	.	
				LAST UPDT:		3/22/16	APPROVED:		1/18/11		OCEAN 475				
ESS	480 ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	WIN/2013 - AUT/9999	3.0	18.0	.	.	. . .	. . Y						.	
				LAST UPDT:		11/20/12	APPROVED:		11/20/12						
ESS	482 ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SPR/2017 - AUT/9999	4.0	.	.	.	. . Y	. . Y						.	
				LAST UPDT:		5/11/17	APPROVED:		6/07/16						
FEE TYPE:1				\$50.00	BUDGET:069340	REV OBJ CD:943081									

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ESS 489	HONORS SEMINAR Honors Seminar	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 6/13/06									
COMMENT:MOVE COLLEGE														
ESS 490	SPECIAL TOPICS Special Topics	AUT/2009 -	AUT/9999	1.0-10.0	20.0 Y	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 9/27/91									
COMMENT:MOVE COLLEGE														
ESS 492	TEACHING OUTREACH Undergraduate Teaching Experience and Outreach	AUT/2011 -	AUT/9999	1.0-03.0	12.0 .	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 6/20/11 APPROVED: 2/25/98									
COMMENT:CHG CREDITS														
ESS 495	NASA RSRCH SEMINAR NASA Science and Engineering Research Seminar	AUT/2009 -	AUT/9999	1.0	4.0 .	CR/NC	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:10/29/90									
COMMENT:MOVE COLLEGE														
ESS 498	UNDERGRAD THESIS Undergraduate Thesis	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09									
COMMENT:MOVE COLLEGE														
ESS 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 -	AUT/9999	0.0	15.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 2/01/87									
COMMENT:MOVE COLLEGE														
ESS 501	GEOCHEMICAL SYSTEMS Geochemical Systems	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 6/13/06									
COMMENT:MOVE COLLEGE														
ESS 502	THE SOLID EARTH The Solid Earth	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 6/13/06									
COMMENT:MOVE COLLEGE														
ESS 503	SOLAR TERRESTR PHYS Introduction to Solar Terrestrial Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 8/08/06									
COMMENT:MOVE COLLEGE														

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						-ALL	U	GRD	E	U	N	E	L	I	E	C				Q	T	
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	I	T
ESS	504	EARTH SURFACE The Earth Surface	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/06/12 APPROVED: 6/13/06 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081																
ESS	505	THE CRYOSPHERE The Cryosphere	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 6/22/11 APPROVED: 6/21/11																
ESS	508	GREAT GEOL ISSUES Great Geological Issues	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 3/29/06																
						COMMENT:MOVE COLLEGE																
ESS	509	APPL FIELD MTHDS I Field Methods in Applied Geology I	WIN/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/05/13 APPROVED: 4/16/13 FEE TYPE:1 \$500.00 BUDGET:069340 REV OBJ CD:943081																
						COMMENT:ADD FEE																
ESS	510	APPL FIELD MTHDS II Field Methods in Applied Geology II	WIN/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/05/13 APPROVED: 4/16/13 FEE TYPE:1 \$500.00 BUDGET:069340 REV OBJ CD:943081																
						COMMENT:ADD FEE																
ESS	511	CONTINUUM MECHANICS Geophysical Continuum Mechanics	AUT/2010 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 3/15/10 APPROVED: 1/24/95																
						COMMENT:CHG CREDITS																
ESS	512	INTRO SEISMOLOGY Seismology	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT:12/20/10 APPROVED: 1/24/95																
						COMMENT:CHG TITLES, DESC, PREQ																
ESS	513	THE EARTH Geophysics: The Earth	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 1/24/95																
						COMMENT:MOVE COLLEGE																
ESS	514	FLUIDS Geophysics: Fluids	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 8/12/09 APPROVED: 1/24/95																
						COMMENT:MOVE COLLEGE																

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						-ALL	U	GRD	E	U	N	E	P	I	E	C	Q	T				COURSE	COURSES	M
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G			I	T
ESS	515	SPACE Geophysics: Space	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																						
ESS	516	THE ATMOSPHERE Geophysics: The Atmosphere	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																						
ESS	517	EARTH EVOLUTION Early Earth Evolution	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																						
ESS	518	TECHNICAL COMM Technical Communication in Applied Geosciences	AUT/2013	- AUT/9999	1.0	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:ADD FEE																						
ESS	519	SCIENTIFIC WRITING Scientific Writing and Graphics	AUT/2013	- AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ESS	520	APPLIC GIS EARTH SCI Application in Geographic Information Systems for the Earth Sciences	AUT/2016	- AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ESS	522	DATA COLCTN & ANLYS Geophysical Data Collection and Analysis	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																						
ESS	523	INVERSE THEORY Geophysical Inverse Theory	SPR/2016	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ESS	524	HEAT&MASS FLOWMODEL Numerical Heat and Mass Flow Modeling in the Earth Sciences	SPR/2010	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ESS	525	TECTONIC GEOMORPH Tectonic Geomorphology	SPR/2016	- AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

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LAST UPDT: 8/12/09 APPROVED: 2/28/03

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FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081

ESS 519 ATM S 519 .

OCEAN 518

LAST UPDT: 3/21/13 APPROVED: 3/19/13

LAST UPDT: 6/08/16 APPROVED: 6/04/13

LAST UPDT: 8/12/09 APPROVED:11/01/81

LAST UPDT: 7/23/15 APPROVED: 1/01/73

LAST UPDT: 2/17/10 APPROVED: 2/16/10

LAST UPDT:11/19/15 APPROVED:11/17/15

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ESS 537	ADVANCED MINERALOGY Advanced Mineralogy	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	ESS 537	MSE 518	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 3/01/90									
ESS 538	PETROGEN IGN ROCKS Petrogenesis of Igneous Rocks	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED:12/01/81									
ESS 540	ADV IGNEOUS PETROL Advanced Igneous Petrology	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 3/01/71									
ESS 541	APL FLUV GEOMORPH Applied Fluvial Geomorphology	SPR/2014 -	AUT/9999	4.0	.	.	.	Y	.	.	.			.
COMMENT:FEE 1-15					LAST UPDT: 1/02/15 APPROVED:11/19/13 FEE TYPE:1 \$35.00 BUDGET:069340 REV OBJ CD:943081									
ESS 542	SED DYN AND PHYSICS Sediment Dynamics and Boundary-Layer Physics	AUT/2013 -	AUT/9999	4.0	.	.	.	.	.	.	.	OCEAN 542	OCEAN 542	.
COMMENT:WAS ESS 526					LAST UPDT: 6/05/13 APPROVED: 2/28/94									
ESS 544	TSUNAMI HAZARDS SCI Applied Tsunami Hazard Science	SUM/2013 -	AUT/9999	4.0	.	.	.	.	.	.	.			.
COMMENT:WAS ESS 546					LAST UPDT: 4/16/13 APPROVED: 1/15/13									
ESS 545	ECON GEOL SED ROCKS ECONOMIC GEOLOGY OF SEDIMENTARY ROCKS	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT:12/11/12									
ESS 546	CONTINENT-MARG SED Continental-Margin Sedimentation	WIN/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	OCEAN 546	OCEAN 546	.
COMMENT:WAS ESS 527					LAST UPDT:11/20/13 APPROVED:11/21/05									
ESS 547	ENGINEERING GEOLOGY Engineering Geology: Methods and Application	AUT/2013 -	AUT/9999	4.0	.	.	.	Y	.	.	.			.
COMMENT:ADD FEE					LAST UPDT: 8/20/13 APPROVED: 2/28/12 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081									

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L C Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
ESS 548	GEODYNAMICS GEODYNAMICS	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/28/13								
COMMENT:MOVE COLLEGE													
ESS 549	GEOMAGNETISM GEOMAGNETISM	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 2/28/94								
COMMENT:MOVE COLLEGE													
ESS 550	EMAG & POTEN FIELDS Electromagnetic and Potential Field Methods	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 2/28/94								
COMMENT:MOVE COLLEGE													
ESS 551	MINERAL PHYSICS Mineral Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 2/28/94								
COMMENT:MOVE COLLEGE													
ESS 552	SOLUTION GEOCHEM SOLUTION GEOCHEMISTRY	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/11/12 APPROVED:11/01/75								
COMMENT:MOVE COLLEGE													
ESS 553	ELEC BEAM ANALYSIS Electron Beam Microanalysis	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:12/01/85								
COMMENT:MOVE COLLEGE													
ESS 554	PALEOCLIMAT PROXIES Paleoclimate Proxies	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	ATM S 554	ATM S 554
					LAST UPDT: 8/12/09 APPROVED:12/16/08								
					OCEAN 554								
ESS 555	PHYS CHEM EARTH Physics and Chemistry of the Earth's Interior	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 3/28/94								
COMMENT:MOVE COLLEGE													
ESS 556	PHYSICAL PETROLOGY PHYSICAL PETROLOGY	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:12/01/89								
COMMENT:MOVE COLLEGE													

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D	D	S H F	V	E E	W	RESPONS	JOINT	O	
CURRIC	NUM				-ALL U	GRD	E	HYPH	M R E	L I				L
					MAX	P	SYS	D	P & N	C M S N	COURSE	COURSES		
ESS	557	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0		.	.	.	Y	.	BIOL 557	BIOL 557	.	
					LAST UPDT:11/06/13 APPROVED: 5/19/09									
					FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081									
ESS	558	GRAD PALEOBIO RES Introduction to Graduate Research in Paleobiology	AUT/2012 - AUT/9999	1.0		.	CR/NC	.	.	.	BIOL 555	BIOL 555	.	
					LAST UPDT: 8/23/12 APPROVED: 6/19/12									
ESS	559	CLIMATE MODELING Climate Modeling	SPR/2010 - AUT/9999	3.0		.	.	.	.	.	ATM S 559	OCEAN 558	.	
					LAST UPDT: 3/21/16 APPROVED: 6/20/07									
					COMMENT:MOVE JT COLLEGE									
ESS	560	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	AUT/2009 - AUT/9999	3.0		.	.	.	.	.			.	
					LAST UPDT: 8/12/09 APPROVED: 3/29/04									
					COMMENT:MOVE COLLEGE									
ESS	562	OBSERVATNAL SEISMOL Observational Seismology	AUT/2009 - AUT/9999	1.0	18.0	Y	CR/NC	.	.	.			.	
					LAST UPDT: 8/12/09									
					COMMENT:MOVE COLLEGE									
ESS	563	THEOR SEISMOLOGY I Theoretical Seismology I	AUT/2009 - AUT/9999	3.0		.	.	.	.	.			.	
					LAST UPDT: 8/12/09									
					COMMENT:MOVE COLLEGE									
ESS	564	THEOR SEISMOLOGY II Theoretical Seismology II	AUT/2009 - AUT/9999	3.0		.	.	.	.	.			.	
					LAST UPDT: 8/12/09									
					COMMENT:MOVE COLLEGE									
ESS	565	LOW-FREQ SEISMOLOGY LOW-FREQUENCY SEISMOLOGY	AUT/2009 - AUT/9999	3.0		.	.	.	.	.			.	
					LAST UPDT: 8/12/09									
					COMMENT:MOVE COLLEGE									
ESS	567	ENV GEOCHEM Environmental Geochemistry	WIN/2017 - AUT/9999	4.0		.	.	.	.	Y			.	
					LAST UPDT: 5/11/17 APPROVED: 6/07/16									

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ESS 568	OCEANIC LITHOSPHERE Oceanic Lithosphere	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	OCEAN 545	OCEAN 545	.
COMMENT:CHG TITLES, DESC, PREQ					LAST UPDT: 3/22/16 APPROVED: 2/21/95									
ESS 573	CLOUD PHYS & DYNAM Cloud Microphysics and Dynamics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	ATM S 535	ATM S 535	.
COMMENT:MOVE COLLEGE					LAST UPDT: 3/21/16 APPROVED:11/06/92									
ESS 574	ATMOS ELEC DYNAMICS ATMOSPHERIC ELECTRICAL DYNAMICS	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09									
ESS 575	ROCKETS & INSTRUMNT Advanced Rockets and Instrumentation	WIN/2012 -	AUT/9999	2.0-04.0	12.0	.	.	.	Y	.	.			.
COMMENT:CHG CREDITS, DESC					LAST UPDT: 8/06/12 APPROVED: 2/17/09 FEE TYPE:1 \$175.00 BUDGET:069340 REV OBJ CD:943081									
ESS 576	SPACE AND LAB PHYS Space and Laboratory Plasma Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	ESS 576 A A	556	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09									
ESS 577	ADV SPACE PLSM PHYS Advanced Space Plasma Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09									
ESS 578	KINETIC PLASMAS Kinetic Theory and Simulation of Space Plasmas	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09									
ESS 579	COMP PLAS PHYS Computational Methods and Modeling in Geophysics I	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 5/24/93									
ESS 580	ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	WIN/2013 -	AUT/9999	3.0	18.0	.	.	.	.	.	.			.
					LAST UPDT:11/20/12 APPROVED:11/20/12									

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ESS 581	PLANET ATMOS Planetary Atmospheres	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	.	ASTR 555	ASTR 555	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 9/01/77					ATM S 555			
ESS 582	ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SPR/2017 - AUT/9999	4.0		.	.	.	Y	.	Y	.	.	.
					LAST UPDT: 5/02/17 APPROVED: 6/07/16								
					FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081								
ESS 583	SOLAR SYSTEM ORIGIN Origin of the Solar System	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	.	ASTR 557	ASTR 557	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 9/01/77								
ESS 585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 - AUT/9999	4.0		.	.	.	.	.	.	ATM S 585	ATM S 585	.
COMMENT:CHG JT STATUS					LAST UPDT: 9/07/11 APPROVED: 1/30/03					ENVIR 585 SMEA 585			
ESS 586	CLIMATE SEMINAR Current Research in Climate Change	SPR/2010 - AUT/9999	2.0	20.0	.	CR/NC	.	.	.	.	ESS 586	ATM S 586	.
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED: 2/25/02					OCEAN 586			
ESS 587	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 - AUT/9999	3.0		.	.	.	.	.	.	ESS 587	ATM S 587	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 3/21/13 APPROVED: 2/25/02					OCEAN 587			
ESS 588	CARBON AND CLIMATE The Global Carbon Cycle and Climate	SPR/2010 - AUT/9999	3.0		.	.	.	.	.	.	OCEAN 588	ATM S 588	.
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED: 2/25/02					OCEAN 588			
ESS 589	PALEOCLIMATOLOGY Paleoclimatology: Data, Modeling, and Theory	SPR/2010 - AUT/9999	3.0		.	.	.	.	.	.	ESS 589	ATM S 589	.
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED: 2/25/02					OCEAN 589			
ESS 590	SPECIAL TOPICS Special Topics	AUT/2009 - AUT/9999	2.0-10.0	20.0	Y	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 9/27/91								

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ESS 592	PROF PRACTICE SEM Professional Practice in Applied Geosciences	AUT/2013 -	AUT/9999	1.0	3.0 .	.	.	. . Y	.	.	.	.	.
COMMENT:ADD FEE					LAST UPDT: 8/20/13 APPROVED: 8/21/12 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081								
ESS 593	CLIMATE SEMINAR Climate Science Seminar	SPR/2010 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	ATM S 593	ATM S 593	.
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED:12/16/08 OCEAN 593								
ESS 594	INTRO ESS RSRCH Introduction to Earth and Space Sciences Research	AUT/2009 -	AUT/9999	1.0-02.0	4.0 Y	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED:11/21/94								
ESS 595	ESS RSRCH METHODS Earth and Space Sciences Research Methods	AUT/2011 -	AUT/9999	2.0	30.0 Y	CR/NC	.	.	.	.	.	.	.
COMMENT:CHG GRADING					LAST UPDT: 6/20/11 APPROVED:11/21/94								
ESS 596	CLIMATE CAPSTONE Climate Science Capstone Project	SPR/2010 -	AUT/9999	1.0-05.0	5.0 .	.	.	.	.	.	ATM S 596	ATM S 596	.
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED:12/16/08 OCEAN 596								
ESS 597	APP GEOSCI INVESTGN Applied Geoscience Investigation	SUM/2016 -	AUT/9999	1.0-05.0	10.0 .	CR/NC	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 2/23/16 APPROVED: 2/23/16								
ESS 599	SEMINAR Seminar	AUT/2009 -	AUT/9999	1.0	24.0 Y	CR/NC	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 5/18/12 APPROVED: 2/01/77								
ESS 600	INDEPN DNT STDY/RSCH Independent Study or Research	AUT/2009 -	AUT/9999	0.0	999.0 .	CR/NC	.	11	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 4/19/10 APPROVED: 2/01/78								
ESS 601	INTERNSHIP Internship	SUM/2013 -	AUT/9999	0.0	999.0 .	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 4/16/13 APPROVED: 4/16/13								

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ESS 700	MASTERS THESIS Master's Thesis	AUT/2009 -	AUT/9999	0.0	999.0	.	. 11	. . .			.			.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70									
COMMENT:MOVE COLLEGE														
ESS 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/2009 -	AUT/9999	0.0	999.0	.	. 11	. . .			.			.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70									
COMMENT:MOVE COLLEGE														