

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
 DETAILED CURRICULUM REPORT  
 Seattle CAMPUS

COLLEGE : D - Environment  
 DEPARTMENT: EARTH AND SPACE SCIENCES

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W												RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U MAX	GRD P	E SYS	D HYPH	M R E	U N E	P & N C M S N	A S W T P R G	A S W T P R G	A S W T P R G	A S W T P R G				
ESS 100	DINOSAURS Dinosaurs	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12 APPROVED: 1/01/82														
				FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:MOVE COLLEGE																		
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	AUT/2012 - WIN/2016	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/20/12														
				FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:INT DL, CHG DESC, ADD AOK																		
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	SPR/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/20/12														
				FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:END INTIAL DL																		
ESS 103	MINERALS AND GEMS Minerals and Gems	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12 APPROVED: 9/24/01														
				FEE TYPE:1 \$11.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:MOVE COLLEGE																		
ESS 104	PREHISTORIC LIFE Prehistoric Life	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12 APPROVED: 1/30/03														
				FEE TYPE:1 \$10.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:MOVE COLLEGE																		
ESS 105	PROCESSES & HAZARDS The Earth: Its Processes and Hazards	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12 APPROVED: 4/28/03														
				FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081														
COMMENT:MOVE COLLEGE																		
ESS 106	LIVING WITH VOLCANO Living with Volcanoes	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED: 2/27/04												ASTBIO115 ASTBIO115		
COMMENT:MOVE JT COLLEGE																OCEAN 115		
																ASTR 115		
																BIOL 114		

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	& N	C			
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	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09		APPROVED: 6/27/01											
COMMENT:MOVE COLLEGE																	
ESS 202	EARTHQUAKES Earthquakes	AUT/2012 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 9/18/12		APPROVED: 3/13/97											
				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:12/11/12		APPROVED: 9/28/98											
				FEE TYPE:1		\$12.00 BUDGET:069340		REV OBJ CD:943081									
COMMENT:CHG AOK, DESC																	
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											
				FEE TYPE:1		\$32.00 BUDGET:069340		REV OBJ CD:943081									
COMMENT:MOVE COLLEGE																	
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	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12		APPROVED: 1/01/82											
				FEE TYPE:1		\$20.00 BUDGET:069340		REV OBJ CD:943081									
COMMENT:MOVE COLLEGE																	
ESS 211	PHYS PROC EARTH Physical Processes of the Earth	WIN/2014 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 5/16/13		APPROVED: 3/17/97											
				FEE TYPE:1		\$26.00 BUDGET:069340		REV OBJ CD:943081									
COMMENT:EMAIL PREQ CHG																	
ESS 212	EARTH MATERIALS Earth Materials and Processes	WIN/2014 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 5/16/13		APPROVED: 9/22/97											
				FEE TYPE:1		\$75.00 BUDGET:069340		REV OBJ CD:943081									
COMMENT:EMAIL PREQ CHG																	





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				-ALL U	GRD		U N E	P	N	C	M	S	N						
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	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 1/28/00		COMMENT:CHG TTL,CRDT,DSC, COLLEGE											
ESS 406	EARTH SCI FOR TEACH Earth Sciences for Middle and High School	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 2/25/02		Teachers: Solid Earth											
ESS 408	GREAT ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 3/29/06		COMMENT:MOVE COLLEGE											
ESS 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	AUT/2010 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	OCEAN 410 OCEAN 410		
				LAST UPDT: 8/06/12		APPROVED: 1/25/06		FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081											
ESS 411	CONTINUUM MECHANICS Geophysical Continuum Mechanics	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 3/15/10		COMMENT:CHG CREDITS													
ESS 412	INTRO SEISMOLOGY Introduction to Seismology	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT:12/20/10		COMMENT:CHG TITLES, PREQ, DESC													
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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				-ALL	U		GRD	E	U	N	E	P	&	N			
ESS 414	FLUIDS Geophysics: Fluids	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 415	SPACE AND PLASMAS Space and Plasmas	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	Y	.	.
	COMMENT:MOVE COLLEGE																
ESS 416	GEOPHYS ATMOS Geophysics: The Atmosphere	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 418	GEOSCIENCE COMM Geoscience Communication	SUM/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG																
ESS 420	INTRO GEOL GIS Introduction to Geological Geographic Information Systems	WIN/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ESS 421	INTRO REMOT SENSING Introduction to Geological Remote Sensing	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 422	SPECTRL REMOTE SENS Intermediate Spectral Remote Sensing	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 424	WATER IN ENVIRONMNT Water in the Environment	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	ESS 424 ATM S 460	.
	COMMENT:MOVE COLLEGE															PHYS 460	.
ESS 426	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:CHG PREQ																

LAST UPDT: 9/28/12 APPROVED: 1/01/79  
 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081

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				-ALL U	GRD		E	U N E	P & N C M S N	P	A	S	T			
ESS 427	HILLSLOPE GEOMORPH Hillslope Geomorphology	AUT/2013 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.
COMMENT:ADD FEE				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	.	.	.	.	.
COMMENT:MOVE COLLEGE				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	.	.	.	.	.
COMMENT:UPDATE PREQ				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	.	.	.	.	.
COMMENT:MOVE COLLEGE				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	.	.	.	.	.
COMMENT:CHG CREDITS, DROP JT STATUS				LAST UPDT: 4/19/10 APPROVED:12/01/85												
ESS 435	GLACIAL PERIGLACIAL Glacial-Periglacial Geomorphology NW	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT:12/21/10 APPROVED:12/21/10												
ESS 437	MINERALOGY Mineralogy	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED:10/26/99												
ESS 439	PETRG/PETRL IGN RCK Petrology of Igneous Rocks	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09												
ESS 440	PETRO/PETRL META RK Petrography and Petrology of Metamorphic Rocks	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09												

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				-ALL U	GRD	E	D	U N E	M R E	P & A	N S W	C M T	E C P	R S R G				
ESS 441	PETRG/PETRL SED RCK Petrology and Petrography of Sedimentary Rocks	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED:12/01/81										
ESS 445	GEOL OF ORE DEPOSIT Geology of Ore Deposits	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/06/12				APPROVED: 6/01/77				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:ADD FEE				LAST UPDT: 8/20/13				APPROVED: 2/28/12				FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081						
ESS 450	PALEOBIOLOGY Paleobiology	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/06/12				APPROVED: 2/01/82				FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081						
ESS 451	INVERT PALEONTOLOGY Invertebrate Paleontology	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	ESS 451 BIOL	451	.	.	.
COMMENT:CHG FEE				LAST UPDT: 2/26/14				APPROVED: 2/25/02				FEE TYPE:1 \$57.00 BUDGET:069377 REV OBJ CD:943081						
ESS 452	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	BIOL 450 BIOL	450	.	.	.
COMMENT:CHG FEE				LAST UPDT:11/06/13				APPROVED:12/01/85				FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081						
ESS 453	FOSSIL MAMMALS Fossil Mammals	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED:12/01/85										
ESS 454	HYDROGEOLOGY Hydrogeology	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:UPDATE PREQ				LAST UPDT: 9/28/12				APPROVED: 5/19/09										
ESS 455	STRATIGRAPHY Stratigraphy	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/06/12				APPROVED:12/01/85				FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081						



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				-ALL	U		GRD	E	U	N	E	P	&	N			
ESS 465	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	CEE 431	CEE 431	.
COMMENT:UPDATE PREQ				LAST UPDT: 9/06/12		APPROVED: 2/25/02											
ESS 466	APPLIED SEISMOLOGY APPLIED SEISMOLOGY	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 1/01/88											
ESS 467	SEIS EXPLR & STRAT Seismic Exploration	WIN/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	ESS 467	OCEAN 412	.
COMMENT:CHG TITLES, PREQ, DESC				LAST UPDT: 1/11/10		APPROVED:12/01/89											
ESS 471	INTRO TO SPACE PHYS Introduction to Space Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 9/27/91											
ESS 472	ROCKETS & INSTRUMNT Rockets and Instrumentation	WIN/2012 - AUT/9999	2.0-04.0	12.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:CHG CREDITS, DESC				LAST UPDT: 8/06/12		APPROVED: 2/21/07		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	OCEAN 475	.
COMMENT:MOVE COLLEGE				LAST UPDT: 1/26/11		APPROVED: 1/18/11		ATM S 475									
ESS 480	ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	WIN/2013 - AUT/9999	3.0	18.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE				LAST UPDT:11/20/12		APPROVED:11/20/12											
ESS 489	HONORS SEMINAR Honors Seminar	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 6/13/06											
ESS 490	SPECIAL TOPICS Special Topics	AUT/2009 - AUT/9999	1.0-10.0	20.0	Y	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 9/27/91											

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					-ALL	U	GRD	E	D	U	N	E	P	&	N	C	M	S	N				A	S	W
ESS 492	TEACHING OUTREACH Undergraduate Teaching Experience and Outreach	AUT/2011 - AUT/9999	1.0-03.0	12.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	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	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 498	UNDERGRAD THESIS Undergraduate Thesis	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	0.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 501	GEOCHEMICAL SYSTEMS Geochemical Systems	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 502	THE SOLID EARTH The Solid Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 503	SOLAR TERRESTR PHYS Introduction to Solar Terrestrial Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 504	EARTH SURFACE The Earth Surface	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																								
ESS 505	THE CRYOSPHERE The Cryosphere	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081

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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F V L E E W												RESPONS	JOINT	O			
					-ALL	U	GRD	E	U	N	E	P	&	N	C	M				S	N	COURSE
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G			I
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														.			
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														.			
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														.			
ESS 515	SPACE Geophysics: Space	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 1/24/95														.			
					COMMENT:MOVE COLLEGE														.			
ESS 516	THE ATMOSPHERE Geophysics: The Atmosphere	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 1/24/95														.			
					COMMENT:MOVE COLLEGE														.			





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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W												RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D	HYPH	M R E			
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/20/13 APPROVED:11/19/13														
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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:ADD FEE			LAST UPDT: 8/20/13 APPROVED: 2/28/12														
				FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081														
ESS 548	GEODYNAMICS GEODYNAMICS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:10/28/13														
ESS 549	GEOMAGNETISM GEOMAGNETISM	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED: 2/28/94														

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					-ALL	U		GRD	E	U	N	E	P	&	N			
ESS 550	EMAG & POTEN FIELDS Electromagnetic and Potential Field Methods	AUT/2009 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 2/28/94											
ESS 551	MINERAL PHYSICS Mineral Physics	AUT/2009 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 2/28/94											
ESS 552	SOLUTION GEOCHEM SOLUTION GEOCHEMISTRY	AUT/2009 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/11/12		APPROVED:11/01/75											
ESS 553	ELEC BEAM ANALYSIS Electron Beam Microanalysis	AUT/2009 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED:12/01/85											
ESS 554	PALEOCLIMAT PROXIES Paleoclimate Proxies	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	ATM S 554
															OCEAN 554		.	
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED:12/16/08											
ESS 555	PHYS CHEM EARTH Physics and Chemistry of the Earth's Interior	AUT/2009 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 3/28/94											
ESS 556	PHYSICAL PETROLOGY PHYSICAL PETROLOGY	AUT/2009 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED:12/01/89											
ESS 557	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999		5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	BIOL 557
															BIOL 557		.	
COMMENT:CHG FEE					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		.	
COMMENT:MOVE COLLEGE					LAST UPDT: 8/23/12		APPROVED: 6/19/12											







