

DATE: 01-22-2019
TIME: 20:10:11

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 985

COLLEGE : D - Environment
DEPARTMENT: EARTH AND SPACE SCIENCES

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 I P & N A S W	E E L C M S T P	W R Q T S N G	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	GEOLOGY & SOCIETY Introduction to Geology and Societal Impacts	WIN/2018 -	AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.
					LAST UPDT: 1/10/19 APPROVED: 1/01/82									
					FEE TYPE:1 \$30.00 BUDGET:068342 REV OBJ CD:943081									
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	SPR/2016 -	AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.
					LAST UPDT: 1/10/19									
					FEE TYPE:1 \$20.00 BUDGET:068343 REV OBJ CD:943081									
COMMENT:END INTIAL DL														
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									
COMMENT:MOVE COLLEGE														
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									
COMMENT:MOVE COLLEGE														
ESS 105	PROCESSES & HAZARDS The Earth: Its Processes and Hazards	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
					LAST UPDT:12/14/17 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	.	.	.	.	.	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		
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									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D		GRD	D	S H F	L I	V	E E	W	RESPONS	JOINT	O
						-ALL	U										
						MAX	P	SYS	D	M R E	A S W	T	P R G		COURSE	COURSES	I
ESS	201	CLIMATE SYSTEM Earth's Climate System	SPR/2018 - WIN/2019	3.0		.	.	.	.	.	.	Y	.	.	.	.	.
LAST UPDT:12/19/18 APPROVED: 6/27/01																	
ESS	201	CLIMATE SYSTEM Earth's Climate System	SPR/2019 - AUT/9999	3.0		.	.	.	.	.	.	Y	.	.	.	.	.
LAST UPDT:12/19/18 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: 1/10/19 APPROVED: 9/28/98																	
COMMENT:CHG AOK, DESC FEE TYPE:1 \$12.00 BUDGET:068344 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:10/17/17 APPROVED:11/18/14																	
ESS	205	ACCESS TO SPACE Access to Space	AUT/2009 - AUT/9999	5.0		.	.	.	.	Y	.	Y	.	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 2/26/03																	
COMMENT:MOVE COLLEGE FEE TYPE:1 \$32.00 BUDGET:068345 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: 1/10/19 APPROVED: 1/01/82																	
FEE TYPE:1 \$20.00 BUDGET:068346 REV OBJ CD:943081																	
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																	

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ESS 212	EARTH MATERIALS Earth Materials and Processes	WIN/2018	- AUT/9999	5.0	.	.	.	. . Y	. . Y		.			.
LAST UPDT: 1/10/19 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:068347 REV OBJ CD:943081														
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	WIN/2018	- AUT/9999	5.0	.	.	.	. . Y	. . Y		.			.
LAST UPDT: 1/10/19 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:068348 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: 1/10/19 APPROVED: 4/28/03 FEE TYPE:1 \$50.00 BUDGET:068349 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: 1/10/19 FEE TYPE:1 \$25.00 BUDGET:068350 REV OBJ CD:943081														
ESS 302	GREAT ICE AGE Great Ice Age	AUT/2009	- AUT/9999	5.0	.	.	.	. . Y	. . Y		.			.
LAST UPDT: 1/30/18 APPROVED:10/01/85 FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081														
ESS 303	GEOLOGIC HAZARDS GEOLOGIC 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:12/14/17 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														
COMMENT:MOVE COLLEGE														

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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/2018 - WIN/2019	3.0-05.0		.	.	.	.	.	Y	Y			.
					LAST UPDT:10/31/18 APPROVED:12/13/16									
ESS 307	ESS DIV OUTREACH Diversity Outreach Program in Earth and Space Sciences	SPR/2019 - AUT/9999	3.0-05.0		.	.	.	.	.	Y	Y			.
					LAST UPDT:10/31/18 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	WIN/2018 - AUT/9999	5.0		.	.	.	Y	.	Y	.			.
					LAST UPDT: 1/10/19 APPROVED: 2/25/98									
					FEE TYPE:1 \$10.00 BUDGET:068351 REV OBJ CD:943081									
ESS 312	GEOCHEMISTRY Geochemistry	WIN/2018 - AUT/9999	5.0		.	.	.	.	.	Y	.			.
					LAST UPDT: 6/21/17 APPROVED: 2/25/98									
ESS 313	GEOBIOLOGY Geobiology	WIN/2018 - AUT/9999	5.0		.	.	.	Y	.	Y	.			.
					LAST UPDT: 1/10/19 APPROVED: 2/25/98									
					FEE TYPE:1 \$40.00 BUDGET:068352 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: 1/10/19 APPROVED: 3/01/76									
					FEE TYPE:1 \$20.00 BUDGET:068353 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									

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						-ALL	U											E
						MAX	P	SYS	D	M R E	A	S	W	T	P	R	G	I
ESS	326	GEOMORPHOLOGY Geomorphology	AUT/2012 -	AUT/9999	5.0		.	.	.	. . Y	.	.	.	.	.	.	.	.
						LAST UPDT: 1/10/19 APPROVED: 2/25/98												
						FEE TYPE:1 \$30.00 BUDGET:068354 REV OBJ CD:943081												
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												
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												
ESS	402	INTL FIELD GEOLOGY International Field Geology	SPR/2018 -	AUT/9999	3.0-12.0	12.0	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT:11/21/17 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:12/14/17 APPROVED: 2/25/02												
						COMMENT:MOVE COLLEGE												
ESS	408	GREAT ISSUES Great Geological Issues	AUT/2009 -	AUT/9999	3.0		.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT:10/17/17 APPROVED: 3/29/06												
						COMMENT:MOVE COLLEGE												
ESS	410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	WIN/2018 -	AUT/9999	4.0		.	.	.	. . Y	.	.	Y	.	.	.	.	.
						LAST UPDT:12/13/17												
						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												

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	S H F U N E M R E	P & A	I N C M S T	N Q T P R G	RESPONS COURSE	JOINT COURSES	M I T				
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:12/14/17												
	COMMENT:MOVE COLLEGE															
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	SUM/2018 - AUT/9999	3.0	.	.	. . .	. . Y	.	.			.				
				LAST UPDT: 2/28/18												
ESS 416	GEOPHYS ATMOS Geophysics: The Atmosphere	AUT/2009 - AUT/9999	3.0	.	.	. . .	. . Y	.	.			.				
				LAST UPDT:12/14/17 APPROVED:10/12/72												
	COMMENT:MOVE COLLEGE															
ESS 418	GEOSCIENCE COMM Geoscience Communication	SPR/2017 - AUT/9999	4.0	.	.	. . .		.	.			.				
				LAST UPDT:10/17/17 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: 1/10/19 APPROVED: 6/01/81												
			FEE TYPE:1	\$20.00	BUDGET:	068355	REV OBJ CD:	943081								
	COMMENT:MOVE COLLEGE															
ESS 422	FIELD REMOTE SENSING Field Methods in Remote Sensing	WIN/2019 - AUT/9999	4.0	.	.	. . Y	. . Y	.	.			.				
				LAST UPDT:11/01/18 APPROVED: 9/20/99												
			FEE TYPE:1	\$20.00	BUDGET:	069340	REV OBJ CD:	943081								
	COMMENT:MOVE COLLEGE															
ESS 424	WATER IN ENVIRONMNT Water in the Environment	AUT/2009 - AUT/9999	3.0	.	.	. . .	. . Y	ESS 424	ATM S 460	.		.				
				LAST UPDT: 9/06/12 APPROVED: 2/25/00												
									PHYS	460						
	COMMENT:MOVE COLLEGE															

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ESS 425	TECTONIC GEOMORPH Tectonic Geomorphology	SUM/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/17/17 APPROVED:11/17/15														
ESS 426	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 1/01/79														
COMMENT:CHG PREQ FEE TYPE:1 \$40.00 BUDGET:068356 REV OBJ CD:943081														
ESS 427	HILLSLOPE GEOMORPH Hillslope Geomorphology	AUT/2013 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 1/01/79														
COMMENT:ADD FEE FEE TYPE:1 \$40.00 BUDGET:068357 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														
COMMENT:MOVE COLLEGE														
ESS 431	PRINS OF GLACIOLOGY Principles of Glaciology	AUT/2012 -	AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 6/01/89														
COMMENT:UPDATE PREQ FEE TYPE:1 \$17.00 BUDGET:068358 REV OBJ CD:943081														
ESS 432	GLACIAL GEOLOGY Glacial Geology	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
LAST UPDT:12/14/17 APPROVED:12/01/79														
COMMENT:MOVE COLLEGE														
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														
COMMENT:CHG CREDITS, DROP JT STATUS														
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	.	.	.	.
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ESS 439	PETRG/PETRL IGN RCK Petrology of Igneous Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 8/12/09									
COMMENT:MOVE COLLEGE														
ESS 440	PETRO/PETRL META RK Petrography and Petrology of Metamorphic Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:12/14/17									
COMMENT:MOVE COLLEGE														
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:12/14/17 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: 1/10/19 APPROVED: 2/28/12									
COMMENT:ADD FEE					FEE TYPE:1 \$40.00 BUDGET:068359 REV OBJ CD:943081									
ESS 448	ANALYTIC PALEOBIO Analytical Paleobiology	AUT/2018 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	BIOL 438	BIOL 438 .
					LAST UPDT: 5/25/18 APPROVED: 6/03/14									
ESS 449	PALEOBIO FIELD RSRCH Paleobiology Field Methods and Research	WIN/2019 -	AUT/9999	3.0-05.0	.	.	.	Y	.	Y	.	.	BIOL 475	BIOL 475 .
					LAST UPDT: 8/07/18 APPROVED:12/21/10									
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									

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

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																			
					FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081																			
COMMENT:CHG FEE																								
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																			
ESS	455	STRATIGRAPHY Stratigraphy	AUT/2009 - AUT/9999	4.0		.	.	.	.	Y	.	.	Y	.	.	.	.					.		
					LAST UPDT: 1/10/19																			
					FEE TYPE:1 \$15.00 BUDGET:068360 REV OBJ CD:943081																			
COMMENT:MOVE COLLEGE																								
ESS	456	SED GEO Sedimentary Geology and Depositional Environments	SPR/2018 - AUT/9999	4.0		.	.	.	.	Y	.	.	Y	.	.	.	.					.		
					LAST UPDT: 3/22/18 APPROVED: 1/01/82																			
					FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081																			
COMMENT:UPDATE PREQ, COLLEGE																								
ESS	457	ENV GEOCHEM Environmental Geochemistry	WIN/2017 - AUT/9999	4.0		.	.	.	.	.	.	.	Y	.	.	.	.					.		
					LAST UPDT:10/17/17 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:12/14/17 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																								

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER	D	D	S	H	F	V	L	E	C	Q	W	R	RESPONS	JOINT	M	
						-ALL	U	GRD	E	U	N	E	P	I	N	M	S	T				N
						MAX	P	SYS	D	HYPH	M	R	A	S	W	T	P	R	COURSE	COURSES	I	
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: 1/10/19 APPROVED: 2/25/98																
						FEE TYPE:1 \$150.00 BUDGET:068361 REV OBJ CD:943081																
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 & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	CEE	431	CEE	431
						LAST UPDT: 2/06/18 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	SEISMIC EXPLORATION Seismic Exploration	WIN/2018 -	AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	ESS	467	OCEAN	412
						LAST UPDT: 9/25/17 APPROVED:12/01/89																
						COMMENT:UPDATE PREQ																
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: 1/10/19 APPROVED: 2/21/07																
						FEE TYPE:1 \$175.00 BUDGET:068362 REV OBJ CD:943081																
						COMMENT:CHG CREDITS, DESC																

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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: 1/10/19		APPROVED: 6/07/16							
					FEE TYPE:1		\$50.00 BUDGET:068363		REV OBJ CD:943081					
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	INDEPENDENT STUDY Independent Study	SUM/2018 -	AUT/9999	1.0-05.0	15.0 .	.	.	. . .						.
					LAST UPDT: 2/22/18									
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									

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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									
ESS 504	EARTH SURFACE The Earth Surface	AUT/2009 -	AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 1/10/19 APPROVED: 6/13/06									
					COMMENT:MOVE COLLEGE FEE TYPE:1 \$50.00 BUDGET:068364 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: 1/10/19 APPROVED: 4/16/13									
					COMMENT:ADD FEE FEE TYPE:1 \$500.00 BUDGET:068365 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: 1/10/19 APPROVED: 4/16/13									
					COMMENT:ADD FEE FEE TYPE:1 \$500.00 BUDGET:068366 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									

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ESS 512	INTRO SEISMOLOGY Seismology	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC, PREQ					LAST UPDT:12/20/10 APPROVED: 1/24/95									
ESS 513	THE EARTH Geophysics: The Earth	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 APPROVED: 1/24/95									
ESS 514	FLUIDS Geophysics: Fluids	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 1/24/95									
ESS 515	SPACE Geophysics: Space	SUM/2018 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/28/18 APPROVED: 1/24/95														
ESS 516	THE ATMOSPHERE Geophysics: The Atmosphere	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 APPROVED: 1/24/95									
ESS 517	EARTH EVOLUTION Early Earth Evolution	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED: 2/28/03									
ESS 518	TECHNICAL COMM Technical Communication 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 \$15.00 BUDGET:069340 REV OBJ CD:943081														
ESS 519	SCIENTIFIC WRITING Scientific Writing and Graphics	AUT/2013 -	AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	ESS 519 ATM S 519	.
LAST UPDT: 3/21/13 APPROVED: 3/19/13					OCEAN 518									
ESS 520	APPLIC GIS EARTH SCI Application in Geographic Information Systems for the Earth Sciences	AUT/2016 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 6/08/16 APPROVED: 6/04/13														

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ESS 532	SNOW & ICE ON EARTH Snow and Ice on the Earth's Surface	SPR/2012 -	AUT/9999	3.0	.	.	.	.	.	.	ESS 532	ATM S 511	.
COMMENT:CHG TITLES					LAST UPDT: 4/18/11 APPROVED:11/01/81								
ESS 533	SNOW & ICE DYNAMICS Dynamics of Snow and Ice Masses	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	ESS 533	ATM S 512	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED:11/01/81								
ESS 534	STRCTL GLACIOLOGY STRUCTURAL GLACIOLOGY	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	ESS 534	ATM S 513	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09 APPROVED:11/01/81								
ESS 535	ICE AND CLIMATE Ice and Climate	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	ESS 535	ATM S 514	.
COMMENT:MOVE COLLEGE					LAST UPDT:10/17/18 APPROVED:12/01/83								
ESS 537	ADVANCED MINERALOGY Advanced Mineralogy	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	ESS 537	MSE 518	.
COMMENT:MOVE COLLEGE					LAST UPDT:10/17/18 APPROVED: 3/01/90								
ESS 538	PETROGEN IGN ROCKS Petrogenesis of Igneous Rocks	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 APPROVED:12/01/81								
ESS 540	ADV IGNEOUS PETROL Advanced Igneous Petrology	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.			.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 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								

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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: 1/10/19 APPROVED: 2/28/12 FEE TYPE:1 \$40.00 BUDGET:068369 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								
ESS 550	EMAG & POTEN FIELDS Electromagnetic and Potential Field Methods	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 APPROVED: 2/28/94								
ESS 551	MINERAL PHYSICS Mineral Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:10/17/18 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								

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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:		10/17/18		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														
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						
COMMENT:CHG FEE				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	.	. . .	.						.
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ESS 563	THEOR SEISMOLOGY I Theoretical Seismology I	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09										
ESS 564	THEOR SEISMOLOGY II Theoretical Seismology II	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09										
ESS 565	LOW-FREQ SEISMOLOGY LOW-FREQUENCY SEISMOLOGY	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09										
ESS 567	ENV GEOCHEM Environmental Geochemistry	WIN/2017 -	AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 5/11/17 APPROVED: 6/07/16										
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: 1/10/19 APPROVED: 2/17/09										
					FEE TYPE:1 \$175.00 BUDGET:068362 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										

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ESS 577	ADV SPACE PLSM PHYS Advanced Space Plasma Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/14/17									
COMMENT:MOVE COLLEGE														
ESS 578	KINETIC PLASMAS Kinetic Theory and Simulation of Space Plasmas	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/17/18									
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ESS 579	COMP PLAS PHYS Computational Methods and Modeling in Geophysics I	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/14/17 APPROVED: 5/24/93									
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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									
ESS 581	PLANET ATMOS Planetary Atmospheres	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	ASTR 555	ASTR 555	.
					LAST UPDT: 8/12/09 APPROVED: 9/01/77									
COMMENT:MOVE COLLEGE														
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	.
					LAST UPDT: 8/12/09 APPROVED: 9/01/77									
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ESS 585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	ATM S 585	ATM S 585	.
					LAST UPDT: 9/07/11 APPROVED: 1/30/03									
COMMENT:CHG JT STATUS														
ESS 586	CLIMATE SEMINAR Current Research in Climate Change	SPR/2010 -	AUT/9999	2.0	20.0	CR/NC	.	.	.	.	.	ESS 586	ATM S 586	.
					LAST UPDT: 2/10/10 APPROVED: 2/25/02									
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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D D S H F L I E C Q T -ALL U GRD E U N E P & N C M S N MAX P SYS D HYPH M R E A S W T P R G										RESPONS COURSE	JOINT COURSES	O M I T
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												
ESS	592	PROF PRACTICE SEM Professional Practice in Applied Geosciences	AUT/2013 -	AUT/9999	1.0	3.0	.	.	.	.	Y	.	.	.	.			.
COMMENT:ADD FEE						LAST UPDT: 1/10/19 APPROVED: 8/21/12 FEE TYPE:1 \$40.00 BUDGET:068370 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		

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DEPARTMENT: EARTH AND SPACE SCIENCES						V	L	E	E	W		O
COURSE	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U	D GRD	S H F U N E	P & A	I S W T	E C Q N M S N	R P R G	M I T
ESS 597	APP GEOSCI INVESTGN Applied Geoscience Investigation	SUM/2016 - AUT/9999	1.0-05.0	10.0	. CR/NC	.	.	.	.	.	.	.
					LAST UPDT: 2/23/16		APPROVED: 2/23/16					
ESS 599	SEMINAR Seminar	AUT/2009 - AUT/9999	1.0	24.0	Y CR/NC	.	.	.	.	.	.	.
					LAST UPDT: 5/18/12		APPROVED: 2/01/77					
COMMENT:MOVE COLLEGE												
ESS 600	INDEPNONT STDY/RSCH Independent Study or Research	AUT/2009 - AUT/9999	0.0	999.0	. CR/NC	.	11	.	.	.	.	.
					LAST UPDT: 4/19/10		APPROVED: 2/01/78					
COMMENT:MOVE COLLEGE												
ESS 601	INTERNSHIP Internship	SUM/2013 - AUT/9999	0.0	999.0	.	.	.	.	.	.	.	.
					LAST UPDT: 4/16/13		APPROVED: 4/16/13					
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												