

DATE: 04-15-2019
TIME: 20:10:11

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 995

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 D 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									
					OCEAN 115									
					ASTR 115									
					BIOL 114									
COMMENT:MOVE JT COLLEGE														
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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COURSE		TITLE		EFFECTIVE QUARTERS		QUARTER	OVER	D	D	S	H	F	V	L	I	E	C	Q	T	RESPONS		JOINT		M					
CURRIC	NUM					CREDITS	-ALL	U	GRD	E	U	N	E	P	&	N	C	M	S	N	COURSE	COURSES		I					

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 - SUM/2019		5.0		.	.		.	Y	.	.	Y	.	.	.	.	.				.					
							LAST UPDT: 4/03/19 APPROVED: 3/17/97																						
							FEE TYPE:1 \$26.00 BUDGET:069340 REV OBJ CD:943081																						
ESS	211	PHYS PROC EARTH Physical Processes of the Earth		AUT/2019 - AUT/9999		5.0		.	.		.	Y	.	.	Y	.	.	.	.	.				.					
							LAST UPDT: 4/03/19 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 S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
ESS 212	EARTH MATERIALS Earth Materials and Processes	WIN/2018	- SUM/2019	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 4/02/19 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:068347 REV OBJ CD:943081														
ESS 212	EARTH MATERIALS Earth Materials and Processes	AUT/2019	- AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 4/02/19 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	- SUM/2019	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 4/03/19 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:068348 REV OBJ CD:943081														
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	AUT/2019	- AUT/9999	5.0	.	.	.	. . Y	.	. . Y				.
LAST UPDT: 4/03/19 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 COMMENT:MOVE JT COLLEGE 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 COMMENT:MOVE COLLEGE 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 COMMENT:MOVE COLLEGE 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														

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COURSE		TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER	D	D	S	H	F	V	L	E	E	W	R	M
CURRIC	NUM					MAX	U	GRD	E	U	N	E	P	I	C	C	Q	T
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												
COMMENT:MOVE COLLEGE					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												
COMMENT:MOVE COLLEGE					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/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 - SUM/2019	5.0		.	.	.	.	Y	.	.	Y	.	.	.	.	.
					LAST UPDT: 4/03/19	APPROVED: 2/25/98												
FEE TYPE:1					\$10.00	BUDGET:068351 REV OBJ CD:943081												
ESS	311	GEOMECHANICS Geomechanics	AUT/2019 - AUT/9999	5.0		.	.	.	.	Y	.	.	Y	.	.	.	.	.
					LAST UPDT: 4/03/19	APPROVED: 2/25/98												
FEE TYPE:1					\$10.00	BUDGET:068351 REV OBJ CD:943081												
ESS	312	GEOCHEMISTRY Geochemistry	WIN/2018 - SUM/2019	5.0		.	.	.	.	.	.	.	Y	.	.	.	.	.
					LAST UPDT: 4/03/19	APPROVED: 2/25/98												
ESS	312	GEOCHEMISTRY Geochemistry	AUT/2019 - AUT/9999	5.0		.	.	.	.	.	.	.	Y	.	.	.	.	.
					LAST UPDT: 4/03/19	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												

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COURSE	CURRIC	TITLE	EFFECTIVE	QUARTERS	QUARTER	OVER	D	D	S	H	F	V	L	E	E	W	R	M
NUM					CREDITS	-ALL	U	GRD	E	U	N	P	I	C	Q	T		I
						MAX	P	SYS	D	HYPH	M	R	A	S	W	T	P	T
ESS	314	GEOPHYSICS Geophysics	SPR/2017 -	SUM/2019	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
LAST UPDT: 4/03/19 APPROVED:10/29/03																		
ESS	314	GEOPHYSICS Geophysics	AUT/2019 -	AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
LAST UPDT: 4/03/19 APPROVED:10/29/03																		
ESS	315	ENVIR EARTH SCI Environmental Earth Science	AUT/2009 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 3/01/76																		
COMMENT:MOVE COLLEGE 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	.	Y	.	.	.	.	.
LAST UPDT: 8/05/14 APPROVED:12/21/10																		
COMMENT: DING FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081																		
ESS	326	GEOMORPHOLOGY Geomorphology	AUT/2012 -	AUT/9999	5.0	.	.	.	Y	.	Y	.	Y	.	.	.	.	.
LAST UPDT: 1/10/19 APPROVED: 2/25/98																		
COMMENT:CHG PREQ 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																		
COMMENT:EMAIL PREQ CHG 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	401	FIELD GEOL WITH GIS Field Geology with GIS	SUM/2019 -	AUT/9999	12.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
LAST UPDT: 1/24/19 APPROVED: 1/22/19																		
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																		

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CURRIC	NUM				MAX	U	GRD	E	U N E	L I	P & N	C M S N	COURSE	COURSES	I
ESS	420	INTRO GIS EARTH SCI	AUT/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.
		Introduction to Geographic Information Systems for the Earth Sciences													
		LAST UPDT: 4/06/17 APPROVED:12/20/11													
ESS	421	INTRO REMOT SENSING	AUT/2009 - AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.	.
		Introduction to Geological Remote Sensing													
		LAST UPDT: 1/10/19 APPROVED: 6/01/81													
		COMMENT:MOVE COLLEGE	FEE TYPE:1 \$20.00 BUDGET:068355 REV OBJ CD:943081												
ESS	422	FIELD REMOTE SENSING	WIN/2019 - AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.	.
		Field Methods in Remote Sensing													
		LAST UPDT:11/01/18 APPROVED: 9/20/99													
		FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081													
ESS	424	WATER IN ENVIRONMNT	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	ESS	424
		Water in the Environment													
		LAST UPDT: 9/06/12 APPROVED: 2/25/00													
		COMMENT:MOVE COLLEGE	PHYS 460												
ESS	425	TECTONIC GEOMORPH	SUM/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
		Tectonic Geomorphology													
		LAST UPDT:10/17/17 APPROVED:11/17/15													
ESS	426	FLUVIAL GEOMORPH	AUT/2012 - AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.	.
		Fluvial Geomorphology													
		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	AUT/2013 - AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.	.
		Hillslope Geomorphology													
		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	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.	.
		LANDSCAPE EVOLUTION													
		LAST UPDT: 8/12/09 APPROVED: 2/25/98													
		COMMENT:MOVE COLLEGE													
ESS	431	PRINS OF GLACIOLOGY	AUT/2012 - AUT/9999	4.0	.	.	.	Y	.	Y	.	.	.	.	.
		Principles of Glaciology													
		LAST UPDT: 1/10/19 APPROVED: 6/01/89													
		COMMENT:UPDATE PREQ	FEE TYPE:1 \$17.00 BUDGET:068358 REV OBJ CD:943081												

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ESS 432	GLACIAL GEOLOGY Glacial Geology	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 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	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:10/17/18 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	.	.	.
					LAST UPDT:12/14/17								
ESS 441	PETRG/PETRL SED RCK Petrology and Petrography of Sedimentary Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	Y	.	.	.
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	.	.	.	Y	.	Y	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT:12/14/17 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	.	.	.	Y	.	.	.	.	.
COMMENT:ADD FEE					LAST UPDT: 1/10/19 APPROVED: 2/28/12								
					FEE TYPE:1 \$40.00 BUDGET:068359 REV OBJ CD:943081								

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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														
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														
ESS 455	STRATIGRAPHY Stratigraphy	AUT/2009 -	AUT/9999	4.0	.	.	.	Y	.	Y	.			.
LAST UPDT: 1/10/19 COMMENT:MOVE COLLEGE FEE TYPE:1 \$15.00 BUDGET:068360 REV OBJ CD:943081														
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														

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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									
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	.	.	.	.
					LAST UPDT: 2/06/18 APPROVED:12/01/99									
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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									
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									
COMMENT:CHG CREDITS, DESC					FEE TYPE:1 \$175.00 BUDGET:068362 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: 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									
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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 Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
ESS 504	EARTH SURFACE The Earth Surface	AUT/2009 -	AUT/9999	3.0	.	.	.	. . Y	.	.	.	.	.	.
					LAST UPDT: 1/10/19 APPROVED: 6/13/06 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 FEE TYPE:1 \$500.00 BUDGET:068365 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: 1/10/19 APPROVED: 4/16/13 FEE TYPE:1 \$500.00 BUDGET:068366 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:12/14/17 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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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER	D	D	S	H	F	V	L	E	E	W	R	RESPONS	JOINT	O	
						-ALL	U	GRD	E	U	N	E	P	I	C	Q	T				M
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	T
ESS	525	TECTONIC GEOMORPH Tectonic Geomorphology	SPR/2016 -	AUT/9999	3.0		.		.		.	.	.	.	.	.	.				.
						LAST UPDT:11/19/15 APPROVED:11/17/15															
ESS	526	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2013 -	AUT/9999	5.0		.		.		.	.	Y	.	.	.	.	.			.
						LAST UPDT: 1/10/19 APPROVED: 6/04/13															
COMMENT:ADD FEE						FEE TYPE:1 \$40.00 BUDGET:068367 REV OBJ CD:943081															
ESS	527	HILLSLOPE GEOMORPH Hillslope Geomorphology	WIN/2014 -	AUT/9999	5.0		.		.		.	.	Y	.	.	.	.				.
						LAST UPDT: 1/10/19 APPROVED:11/19/13															
COMMENT:400-500, 1/10/14 FEE						FEE TYPE:1 \$40.00 BUDGET:068368 REV OBJ CD:943081															
ESS	528	SEDIMENT STRUCTURES Interpretation of Sedimentary Structures	AUT/2009 -	AUT/9999	2.0-04.0	4.0	.		.		.	.	.	.	.	.	.				.
						LAST UPDT:12/14/17 APPROVED:12/01/83															
COMMENT:MOVE COLLEGE																					
ESS	529	FLD DYN HT/MS TRANS Principles of Fluid Dynamics, Heat, and Mass Transfer in Earth Sciences	AUT/2009 -	AUT/9999	3.0		.		.		.	.	.	.	.	.	.				.
						LAST UPDT: 8/12/09 APPROVED:12/01/89															
COMMENT:MOVE COLLEGE																					
ESS	531	PHYSICS OF ICE Physics of Ice	AUT/2009 -	AUT/9999	3.0		.		.		.	.	.	.	.	.	.		ATM S 510	ATM S 510	.
						LAST UPDT: 8/12/09															
COMMENT:MOVE COLLEGE																					
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	.
						LAST UPDT: 4/18/11 APPROVED:11/01/81															
COMMENT:CHG TITLES																					
ESS	533	SNOW & ICE DYNAMICS Dynamics of Snow and Ice Masses	AUT/2009 -	AUT/9999	3.0		.		.		.	.	.	.	.	.	.		ESS 533	ATM S 512	.
						LAST UPDT: 8/12/09 APPROVED:11/01/81															
COMMENT:MOVE COLLEGE																					
ESS	534	STRCTL GLACIOLOGY STRUCTURAL GLACIOLOGY	AUT/2009 -	AUT/9999	3.0		.		.		.	.	.	.	.	.	.		ESS 534	ATM S 513	.
						LAST UPDT: 8/12/09 APPROVED:11/01/81															
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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								
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								

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F L I E E W													RESPONS	JOINT	O						
						-ALL	U	GRD	E	HYPH	U	N	E	P	&	N	C	M				S	N	A	S	W	T
ESS	547	ENGINEERING GEOLOGY Engineering Geology: Methods and Application	AUT/2013 -	AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						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:12/14/17 APPROVED: 2/28/94																					.
						COMMENT:MOVE COLLEGE																					.
ESS	551	MINERAL PHYSICS Mineral Physics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT:10/17/18 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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
						LAST UPDT: 8/12/09 APPROVED:12/16/08																			ATM S 554 ATM S 554		.
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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																					.

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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					ATM S 559									
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														

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E D	HYPH	S U M	H N E	F E R	V L P A	L & S	E N C W	E C M T	Q S P	R R G	RESPONS COURSE	JOINT COURSES	O M I T
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	.
					LAST UPDT: 3/22/16 APPROVED: 2/21/95																
					COMMENT:CHG TITLES, DESC, PREQ																
ESS 573	CLOUD PHYS & DYNAM Cloud Microphysics and Dynamics	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	ATM S 535	ATM S 535	.
					LAST UPDT: 3/21/16 APPROVED:11/06/92																
					COMMENT:MOVE COLLEGE																
ESS 574	ATMOS ELEC DYNAMICS ATMOSPHERIC ELECTRICAL DYNAMICS	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09																
					COMMENT:MOVE COLLEGE																
ESS 575	ROCKETS & INSTRUMNT Advanced Rockets and Instrumentation	WIN/2012 -	AUT/9999	2.0-04.0	12.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
					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	.
					LAST UPDT: 8/12/09																
					COMMENT:MOVE COLLEGE																
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																
					COMMENT:MOVE COLLEGE																
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																
					COMMENT:MOVE COLLEGE																

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER	D	D	S	H	F	V	L	E	E	W	RESPONS	JOINT	O					
						-ALL	U	GRD	E	U	N	E	P	I	E	C				Q	T			
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	I	T
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										ATM S 555								
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																		
COMMENT:MOVE COLLEGE																								
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										ENVIR 585 SMEA 585								
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										OCEAN 586								
COMMENT:MOVE JT COLLEGE																								
ESS	587	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	ESS 587	ATM S 587	.	.
						LAST UPDT: 3/21/13 APPROVED: 2/25/02										OCEAN 587								
COMMENT:CHG TITLES, DESC																								
ESS	588	CARBON AND CLIMATE The Global Carbon Cycle and Climate	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	OCEAN 588	ATM S 588	.	.
						LAST UPDT: 2/10/10 APPROVED: 2/25/02										OCEAN 588								
COMMENT:MOVE JT COLLEGE																								
ESS	589	PALEOCLIMATOLOGY Paleoclimatology: Data, Modeling, and Theory	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	ESS 589	ATM S 589	.	.
						LAST UPDT: 2/10/10 APPROVED: 2/25/02										OCEAN 589								
COMMENT:MOVE JT COLLEGE																								

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	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 N G	RESPONS COURSE	JOINT COURSES	O M I T
ESS 590	SPECIAL TOPICS Special Topics	AUT/2009 -	AUT/9999	2.0-10.0	20.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED: 9/27/91									
					COMMENT:MOVE COLLEGE									
ESS 592	PROF PRACTICE SEM Professional Practice in Applied Geosciences	AUT/2013 -	AUT/9999	1.0	3.0 .	.	.	. Y	.	.	.	.	.	.
					LAST UPDT: 1/10/19 APPROVED: 8/21/12									
					FEE TYPE:1 \$40.00 BUDGET:068370 REV OBJ CD:943081									
					COMMENT:ADD FEE									
ESS 593	CLIMATE SEMINAR Climate Science Seminar	SPR/2010 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	.	ATM S 593	ATM S 593	.
					LAST UPDT: 2/10/10 APPROVED:12/16/08									
					OCEAN 593									
					COMMENT:MOVE JT COLLEGE									
ESS 594	INTRO ESS RSRCH Introduction to Earth and Space Sciences Research	AUT/2009 -	AUT/9999	1.0-02.0	4.0 Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/12/09 APPROVED:11/21/94									
					COMMENT:MOVE COLLEGE									
ESS 595	ESS RSRCH METHODS Earth and Space Sciences Research Methods	AUT/2011 -	AUT/9999	2.0	30.0 Y	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/20/11 APPROVED:11/21/94									
					COMMENT:CHG GRADING									
ESS 596	CLIMATE CAPSTONE Climate Science Capstone Project	SPR/2010 -	AUT/9999	1.0-05.0	5.0 .	.	.	.	.	.	.	ATM S 596	ATM S 596	.
					LAST UPDT: 2/10/10 APPROVED:12/16/08									
					OCEAN 596									
					COMMENT:MOVE JT COLLEGE									
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	INDEPN DNT 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									

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						-ALL	U	GRD	E	U	N	E	P	I	E	C	Q				T
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	COURSE	COURSES	M	
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																					.