

DATE: 04-11-2011  
 TIME: 20:10:16

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
 DETAILED CURRICULUM REPORT  
 Seattle CAMPUS

REPORT: SR21010-R-01 I  
 PAGE: 735

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		GRD	E	U	N	E	P	& N	C				M	S	N
ESS 100	DINOSAURS DINOSAURS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 12/01/85														
ESS 101	INTRO TO GEOL SCI INTRODUCTION TO GEOLOGICAL SCIENCES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 1/01/82		FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081												
ESS 102	SPACE&SPACE TRAVEL SPACE AND SPACE TRAVEL COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 9/24/01		FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081												
ESS 103	MINERALS AND GEMS MINERALS AND GEMS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 9/24/01		FEE TYPE:1 \$11.00 BUDGET:069340 REV OBJ CD:943081												
ESS 104	PREHISTORIC LIFE PREHISTORIC LIFE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 1/30/03		FEE TYPE:1 \$10.00 BUDGET:069340 REV OBJ CD:943081												
ESS 105	PROCESSES & HAZARDS THE EARTH: ITS PROCESSES AND HAZARDS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 4/28/03		FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081												
ESS 106	LIVING WITH VOLCANO LIVING WITH VOLCANOES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 4/28/03														
ESS 107	ENVIRON WASH GEOL ENVIRONMENTS OF WASHINGTON THROUGH GEOLOGIC TIME COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 6/10/03														
ESS 115	INTRO ASTROBIOLOGY ASTROBIOLOGY: LIFE IN THE UNIVERSE COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 2/10/10		APPROVED: 2/27/04		ASTBIO115 ASTBIO115 OCEAN 115 ASTR 115 BIOL 114												
ESS 201	EARTH CLIMATE THE EARTH SYSEM AND CLIMATE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 6/27/01														
ESS 202	EARTHQUAKES EARTHQUAKES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 3/13/97		FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081												

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U	D GRD E	S H F U N E	V L E E W			RESPONS COURSE	JOINT COURSES	O M I T
							P & N A	C S W	M C T			
ESS 203	GLACIERS/GLBL CHNGE GLACIERS AND GLOBAL CHANGE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 9/28/98			FEE TYPE:1 \$12.00 BUDGET:069340 REV OBJ CD:943081			
ESS 205	ACCESS TO SPACE ACCESS TO SPACE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 2/26/03			FEE TYPE:1 \$32.00 BUDGET:069340 REV OBJ CD:943081			
ESS 209	INTERDISC FIELD SEM INTERDISCIPLINARY EARTH SCIENCES FIELD SEMINAR COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0-12.0	12.0	.	. . . . .	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 7/13/05						
ESS 210	PHYSICAL GEOLOGY PHYSICAL GEOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 1/01/82			FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081			
ESS 211	PHYS PROC EARTH PHYSICAL PROCESS OF THE EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 3/17/97			FEE TYPE:1 \$26.00 BUDGET:069340 REV OBJ CD:943081			
ESS 212	EARTH MATERIALS EARTH MATERIALS AND PROCESSES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 9/22/97			FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081			
ESS 213	EVOLUTION OF EARTH EVOLUTION OF THE EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 9/22/97			FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081			
ESS 230	RIVERS AND BEACHES RIVERS AND BEACHES COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0-05.0	.	.	. . Y	. . Y	. . . . .	ESS 230 OCEAN 230	.	.	
				LAST UPDT: 2/10/10		APPROVED: 4/28/03			FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081			
ESS 301	GEOL OF NORTHWEST GEOLOGY OF THE NORTHWEST COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED: 9/22/97			FEE TYPE:1 \$25.00 BUDGET:069340 REV OBJ CD:943081			
ESS 302	GREAT ICE AGE GREAT ICE AGE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . Y	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED:10/01/85			FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081			
ESS 303	GEOLOGIC HAZARDS GEOLOGIC HAZARDS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	. . . . .	. . Y	. . . . .			.	
				LAST UPDT: 8/12/09		APPROVED:12/06/91						

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 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		GRD	E	U	N	E	P	& N	C			
ESS 304	NW VOLC AND GLAC VOLCANOES AND GLACIERS OF THE PACIFIC NORTHWEST COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	1/15/10	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 COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	12/01/89										
				FEE TYPE:	1	\$30.00	BUDGET:	069340	REV OBJ	CD:	943081						
ESS 306	PLANETARY GEOLOGY PLANETARY GEOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	12/10/90										
ESS 311	GEOMECHANICS GEOMECHANICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	2/25/98										
				FEE TYPE:	1	\$10.00	BUDGET:	069340	REV OBJ	CD:	943081						
ESS 312	GEOCHEMISTRY GEOCHEMISTRY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	2/25/98										
ESS 313	GEOBIOLOGY GEOBIOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	2/25/98										
				FEE TYPE:	1	\$40.00	BUDGET:	069340	REV OBJ	CD:	943081						
ESS 314	GOPHYS: EXP TO EART GEOPHYSICS: EXPEDITION TO PLANET EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	10/29/03										
ESS 315	ENVIR EARTH SCI ENVIRONMENTAL EARTH SCIENCE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	3/01/76										
				FEE TYPE:	1	\$20.00	BUDGET:	069340	REV OBJ	CD:	943081	ESS 315	ENVIR 313	.			
ESS 320	CHANGING RIVERS CHANGING RIVERS OF PUGET SOUND COMMENT:PENDING	SPR/2011 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	2/04/11	APPROVED:	12/21/10					ESS 320	ENVIR 320	.			
												AIS	320	.			
ESS 326	GEOMORPHOLOGY GEOMORPHOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	2/25/98										
				FEE TYPE:	1	\$30.00	BUDGET:	069340	REV OBJ	CD:	943081						
ESS 345	MINERAL DEPOSITS THE ENVIRONMENT OF FUEL AND MINERAL DEPOSITS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	Y	.	.	.	.	.
				LAST UPDT:	8/12/09	APPROVED:	9/24/01										
				FEE TYPE:	1	\$50.00	BUDGET:	069340	REV OBJ	CD:	943081						

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COLLEGE : D - Environment  
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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	LAST UPDT:	APPROVED:							
ESS 400	FIELD GEOLOGY FIELD GEOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	12.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 3/01/89														
ESS 401	REGIONAL GEOL PNW REGIONAL GEOLOGY OF THE PACIFIC NORTHWEST COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 5/20/96		FEE TYPE:1 \$45.00 BUDGET:069340 REV OBJ CD:943081												
ESS 402	INTL FIELD GEOLOGY INTERNATIONAL FIELD GEOLOGY COMMENT:MOVE COLLEGE	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 COMMENT:CHG TTL,CRDT,DSC, COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 1/28/00														
ESS 406	EARTH SCI FOR TEACH EARTH SCIENCES FOR MIDDLE AND HIGH SCHOOL COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 2/25/02														
ESS 408	GREAT ISSUES GREAT GEOLOGICAL ISSUES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 3/29/06														
ESS 410	MAR GEOL AND GEOPHY MARINE GEOLOGY AND GEOPHYSICS COMMENT:CHG DESC, PREQ	AUT/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	OCEAN 410 OCEAN 410		
				LAST UPDT: 8/25/10		APPROVED: 1/25/06														
ESS 411	CONTINUUM MECHANICS GEOPHYSICAL CONTINUUM MECHANICS COMMENT:CHG CREDITS	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 3/15/10																
ESS 412	SEISMOLOGY SEISMOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - SUM/2011	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT:12/20/10																
ESS 412	INTRO SEISMOLOGY INTRODUCTION TO SEISMOLOGY COMMENT:CHG TITLES, PREQ, DESC	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT:12/20/10																
ESS 413	GEOPHYSICS EARTH GEOPHYSICS-THE EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.		
				LAST UPDT: 8/12/09																



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					-ALL	U	GRD	E	U	N	E	P	&	N	C	M	S				N	COURSE	COURSES	M				
ESS 432	GLACIAL GEOLOGY GLACIAL GEOLOGY COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 8/12/09	APPROVED:12/01/79	.	.	.			
ESS 433	ENV OF GLACIAL AGES ENVIRONMENTAL CHANGE IN THE GLACIAL AGES COMMENT:CHG CREDITS, DROP JT STATUS	AUT/2010 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 4/19/10	APPROVED:12/01/85	.	.	.			
ESS 435	GLACIAL PERIGLACIAL GLACIAL-PERIGLACIAL GEOMORPHOLOGY	SPR/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT:12/21/10	APPROVED:12/21/10	.	.	.			
ESS 437	MINERALOGY MINERALOGY COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 8/12/09	APPROVED:10/26/99	.	.	.			
ESS 439	PETRG/PETRL IGN RCK PETROGRAPHY AND PETROLOGY OF IGNEOUS ROCKS COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 8/12/09		.	.	.			
ESS 440	PETRO/PETRL META RK PETROGRAPHY AND PETROLOGY OF METAMORPHIC ROCKS COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 8/12/09		.	.	.			
ESS 441	PETRG/PETRL SED RCK PETROLOGY AND PETROGRAPHY OF SEDIMENTARY ROCKS COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	LAST UPDT: 8/12/09	APPROVED:12/01/81	.	.	.			
ESS 445	GEOL OF ORE DEPOSIT GEOLOGY OF ORE DEPOSITS COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	Y	.	.	LAST UPDT: 8/12/09	APPROVED: 6/01/77						
ESS 450	PALEOBIOLOGY PALEOBIOLOGY COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	Y	.	.	LAST UPDT: 8/12/09	APPROVED: 2/01/82						
ESS 451	INVERT PALEONTOLOGY INVERTEBRATE PALEONTOLOGY COMMENT:MOVE COLLEGE	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	Y	.	.	LAST UPDT:11/04/10	APPROVED: 2/25/02	ESS	451 BIOL	451	.		
ESS 452	VERTE PALEO VERTEBRATE PALEONTOLOGY COMMENT:EMAIL PREQ CHG	AUT/2010 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	Y	.	.	LAST UPDT: 3/16/10	APPROVED:12/01/85	BIOL	450 BIOL	450	.		

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				-ALL MAX	U P	GRD SYS	E D	HYPH	M R	E E	P & A	N S	W T	C P	M R				S G	
ESS 453	FOSSIL MAMMALS FOSSIL MAMMALS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	LAST UPDT: 8/12/09	APPROVED:12/01/85	.
ESS 454	HYDROGEOLOGY HYDROGEOLOGY	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	LAST UPDT: 8/12/09	APPROVED: 5/19/09	.
ESS 455	STRATIGRAPHY STRATIGRAPHY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	Y	.	.	.	.	LAST UPDT: 8/12/09	FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081	.
ESS 456	DEPOSTINAL ENVIRONS DEPOSITIONAL ENVIRONMENTS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	Y	.	.	.	LAST UPDT: 8/12/09	APPROVED: 1/01/82 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081	.
ESS 457	ENV GEOCHEM ENVIRONMENTAL GEOCHEMISTRY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	LAST UPDT: 8/12/09	APPROVED: 3/29/06	.
ESS 458	ISOTOPE GEOL LITHOS ISOTOPE AND TRACE ELEMENT GEOLOGY: LITHOSPHERE COMMENT:UPDATE PREQ, COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	LAST UPDT: 8/12/09	APPROVED: 6/01/90	.
ESS 459	ENV ISOTOPE GEOCHEM ENVIRONMENTAL ISOTOPE GEOCHEMISTRY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	LAST UPDT: 8/12/09	APPROVED:10/01/74	.
ESS 460	COSMOGENIC NUCLIDES COSMOGENIC NULCIDES IN GEOMORPHOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	Y	.	.	.	LAST UPDT: 8/12/09	APPROVED: 3/29/04	.
ESS 461	GEOLOGICAL TIME GEOLOGICAL TIME COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.	LAST UPDT: 8/12/09	APPROVED: 3/27/95	.
ESS 462	VOLCANIC PROCESSES VOLCANIC PROCESSES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	Y	.	.	LAST UPDT: 8/12/09	APPROVED: 6/01/99	.
ESS 463	STRUCTURE TECTONICS STRUCTURE AND TECTONICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	Y	.	Y	.	LAST UPDT: 8/12/09	FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081 APPROVED: 2/25/98	.

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				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
ESS 464	GEODYNAMICS GEODYNAMICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.		
				LAST UPDT: 8/12/09		APPROVED: 2/28/94														
ESS 465	SEIS & EARTHQKE ENGR SEISMOLOGY AND EARTHQUAKE ENGINEERING COMMENT:EMAIL PREQ CHG	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	CEE 431	CEE 431		
				LAST UPDT: 5/26/10		APPROVED: 2/25/02														
ESS 466	APPLIED SEISMOLOGY APPLIED SEISMOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	Y	.	.	.				
				LAST UPDT: 8/12/09		APPROVED: 1/01/88														
ESS 467	SEIS EXPLR & STRAT SEISMIC EXPLORATION AND STRATIGRAPHY COMMENT:CHG TITLES, PREQ, DESC	WIN/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	ESS 467	OCEAN 412			
				LAST UPDT: 1/11/10		APPROVED:12/01/89														
ESS 471	INTRO TO SPACE PHYS INTRODUCTION TO SPACE PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	Y	.	.					
				LAST UPDT: 8/12/09		APPROVED: 9/27/91														
ESS 472	ROCKETS & INSTRUMNT ROCKETS AND INSTRUMENTATION COMMENT:CHG PREQ	SPR/2010 - AUT/9999	2.0	4.0	.	.	.	.	.	.	.	.	Y	.	.					
				LAST UPDT:11/24/09		APPROVED: 2/21/07		FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081												
ESS 475	CLMT SCI RSRCH SMNR CURRENT RESERACH IN CLIMATE SCIENCE SEMINAR	AUT/2011 - AUT/9999	3.0	6.0	.	.	.	.	.	.	.	.	.	.	.	OCEAN 475	OCEAN 475			
				LAST UPDT: 1/26/11		APPROVED: 1/18/11													ATM S 475	
ESS 489	HONORS SEMINAR HONORS SEMINAR COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.					
				LAST UPDT: 8/12/09		APPROVED: 6/13/06														
ESS 490	SPECIAL TOPICS SPECIAL TOPICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0-10.0	20.0	Y	.	.	.	.	.	.	.	Y	.	.					
				LAST UPDT: 8/12/09		APPROVED: 9/27/91														
ESS 492	TEACHING OUTREACH UNDERGRADUATE TEACHING EXPERIENCE AND OUTREACH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0-02.0	2.0	.	.	.	.	.	.	.	.	Y	.	.					
				LAST UPDT: 8/12/09		APPROVED: 2/25/98														
ESS 495	NASA RSRCH SEMINAR NASA SCIENCE AND ENGINEERING RESEARCH SEMINAR COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0	4.0	CR/NC	.	.	.	.	.	.	.	Y	.	.					
				LAST UPDT: 8/12/09		APPROVED:10/29/90														



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				-ALL U	GRD		E	U N E	P	N	C	M	S				N
ESS 498	UNDERGRAD THESIS UNDERGRADUATE THESIS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 499	UNDERGRAD RESEARCH UNDERGRADUATE RESEARCH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	0.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 2/01/87													
ESS 501	GEOCHEMICAL SYSTEMS GEOCHEMICAL STYSTEMS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06													
ESS 502	THE SOLID EARTH THE SOLID EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06													
ESS 503	SOLAR TERRESTR PHYS SOLAR TERRESTRIAL PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 8/08/06													
ESS 504	EARTH SURFACE THE EARTH SURFACE: LITHOSPHERIC AND SURFACE PROCES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06													
				FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													
ESS 508	GREAT GEOL ISSUES GREAT GEOLOGICAL ISSUES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 3/29/06													
ESS 511	CONTINUUM MECHANICS GEOPHYSICAL CONTINUUM MECHANICS COMMENT:CHG CREDITS	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/15/10 APPROVED: 1/24/95													
ESS 512	SEISMOLOGY SEISMOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - SUM/2011	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/20/10 APPROVED: 1/24/95													
ESS 512	INTRO SEISMOLOGY INTRODUCTION TO SEISMOLOGY COMMENT:CHG TITLES, DESC, PREQ	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/20/10 APPROVED: 1/24/95													
ESS 513	THE EARTH GEOPHYSICS: THE EARTH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 1/24/95													



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				-ALL U	GRD		E	U N E	P	N	C	M	S			
ESS 531	PHYSICS OF ICE PHYSICS OF ICE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ATM S 510	ATM S 510	.
ESS 532	FORMATION SNOW &ICE FORMATION OF SNOW AND ICE MASSES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 532	ATM S 511	.
ESS 533	SNOW & ICE DYNAMICS DYNAMICS OF SNOW AND ICE MASSES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 533	ATM S 512	.
ESS 534	STRCTL GLACIOLOGY STRUCTURAL GLACIOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 534	ATM S 513	.
ESS 535	ICE AND CLIMATE ICE AND CLIMATE COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 535	ATM S 514	.
ESS 537	ADVANCED MINERALOGY ADVANCED MINERALOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 537	MSE 518	.
ESS 538	PETROGEN IGN ROCKS PETROGENESIS OF IGNEOUS ROCKS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.
ESS 540	ADV IGNEOUS PETROL ADVANCED IGNEOUS PETROLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.			.
ESS 545	ECON GEOL SED ROCKS ECONOMIC GEOLOGY OF SEDIMENTARY ROCKS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.			.
ESS 548	GEODYNAMICS GEODYNAMICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.
ESS 549	GEOMAGNETISM GEOMAGNETISM COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.

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				-ALL	U		GRD	E	U	N	E	P	& N			
ESS 550	EMAG & POTEN FIELDS ELECTROMAGNETIC AND POTENTIAL FIELD METHODS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED: 2/28/94									
ESS 551	MINERAL PHYSICS MINERAL PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED: 2/28/94									
ESS 552	SOLUTION GEOCHEM SOLUTION GEOCHEMISTRY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED:11/01/75									
ESS 553	ELEC BEAM ANALYSIS ELECTRON BEAM MICROANALYSIS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED:12/01/85									
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 COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED: 3/28/94									
ESS 556	PHYSICAL PETROLOGY PHYSICAL PETROLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED:12/01/89									
ESS 557	VERTE PALEO VERTEBRATE PALEONTOLOGY	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	BIOL 557	BIOL 557	.
				LAST UPDT: 3/12/10			APPROVED: 5/19/09									
				FEE TYPE:1 \$40.00 BUDGET:069377 REV OBJ CD:943081												
ESS 559	CLIMATE MODELING CLIMATE MODELING COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ATM S 559	ATM S 559	.
				LAST UPDT: 2/10/10			APPROVED: 6/20/07							OCEAN 558		
ESS 560	COSMOGENIC NUCLIDES COSMOGENIC NULCIDES IN GEOMORPHOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			APPROVED: 3/29/04									
ESS 562	OBSERVATNAL SEISMOL OBSERVATIONAL SEISMOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09			18.0 Y CR/NC .									

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
ESS 563	THEOR SEISMOLOGY I THEORETICAL SEISMOLOGY I COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 564	THEOR SEISMOLOGY II THEORETICAL SEISMOLOGY II COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 565	LOW-FREQ SEISMOLOGY LOW-FREQUENCY SEISMOLOGY COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 568	OCEAN LITHOSPHERE PHYSICS OF THE OCEANIC LITHOSPHERE COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	OCEAN 545	OCEAN 545	.
				LAST UPDT: 2/10/10													
ESS 573	CLOUD PHYS & DYNAM CLOUD MICROPHYSICS AND DYNAMICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ATM S 535	ATM S 535	.
				LAST UPDT: 8/12/09													
ESS 574	ATMOS ELEC DYNAMICS ATMOSPHERIC ELECTRICAL DYNAMICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 575	ROCKETS & INSTRUMNT ADVANCED ROCKETS AND INSTRUMENTATION COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	2.0	4.0	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 2/17/09 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													
ESS 576	SPACE AND LAB PHYS SPACE AND LABORATORY PLASMA PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ESS 576 A A	556	.
				LAST UPDT: 8/12/09													
ESS 577	ADV SPACE PLSM PHYS ADVANCED SPACE PLASMA PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 578	KINETIC PLASMAS KINETIC THEORY AND SIMULATION OF SPACE PLASMAS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09													
ESS 579	COMP PLAS PHYS COMPUTATIONAL PLASMA PHYSICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 5/24/93													

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				-ALL	U		GRD	E	U	N	E	P	& N			
ESS 581	PLANET ATMOS PLANETARY ATMOSPHERES COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ASTR 555	ASTR 555	.
ESS 583	SOLAR SYSTEM ORIGIN ORIGIN OF THE SOLAR SYSTEM COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ASTR 557	ASTR 557	.
ESS 585	PNW CLIMATE IMPACTS CLIMATE IMPACTS ON THE PACIFIC NORTHWEST COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	ATM S 585	ATM S 585 ENVIR 585 SMA 585	.
ESS 586	CLIMATE SEMINAR CURRENT RESEARCH IN CLIMATE CHANGE COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	2.0	20.0	.	CR/NC	.	.	.	.	.	.	.	ESS 586	ATM S 586 OCEAN 586	.
ESS 587	CLIMATE DYNAMICS CLIMATE DYNAMICS COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 587	ATM S 587 OCEAN 587	.
ESS 588	CARBON AND CLIMATE THE GLOBAL CARBON CYCLE AND CLIMATE COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	OCEAN 588	ATM S 588 OCEAN 588	.
ESS 589	PALEOCLIMATOLOGY PALEOCLIMATOLOGY: DATA, MODELING AND THEORY COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 589	ATM S 589 OCEAN 589	.
ESS 590	SPECIAL TOPICS SPECIAL TOPICS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	2.0-10.0	20.0	Y	.	.	.	.	.	.	.	.			.
ESS 593	CLIMATE SEMINAR CLIMATE SCIENCE SEMINAR COMMENT:MOVE JT COLLEGE	SPR/2010 - AUT/9999	1.0	.	.	CR/NC	.	.	.	.	.	.	.	ATM S 593	ATM S 593 OCEAN 593	.
ESS 594	INTRO ESS RSRCH INTRODUCTION TO EARTH AND SPACE SCIENCES RESEARCH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0-02.0	4.0	Y	.	.	.	.	.	.	.	.			.
ESS 595	ESS RSRCH METHODS EARTH AND SPACE SCIENCE RESEARCH METHODS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	2.0	30.0	Y	.	.	.	.	.	.	.	.			.

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				-ALL	U		GRD	E	U		N	E	P			
ESS 596	CLIMATE CAPSTONE CLIMATE SCIENCE CAPSTONE PROJECT COMMENT:MOVE JT COLLEGE	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		
ESS 599	SEMINAR SEMINAR COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	1.0	15.0	Y	CR/NC	.	.	.	.	.	.	.			.
				LAST UPDT: 8/12/09		APPROVED: 2/01/77										
ESS 600	INDEPN DNT STDY/RSCH INDEPENDENT STUDY OR RESEARCH COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	0.0	999.0	.	CR/NC	.	11	.	.	.	.	.			.
				LAST UPDT: 4/19/10		APPROVED: 2/01/78										
ESS 700	MASTERS THESIS MASTERS THESIS COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	0.0	999.0	.	.	.	11	.	.	.	.	.			.
				LAST UPDT: 4/19/10		APPROVED: 1/01/70										
ESS 800	DOCTORAL DISSERTATN DOCTORAL DISSERTATION COMMENT:MOVE COLLEGE	AUT/2009 - AUT/9999	0.0	999.0	.	.	.	11	.	.	.	.	.			.
				LAST UPDT: 4/19/10		APPROVED: 1/01/70										