

DATE: 07-05-2016
 TIME: 20:10:02

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 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

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COLLEGE : D - Environment
 DEPARTMENT: AQUA & FISH SCI

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								
FISH 330	CLIMATE CHG MAR ECO Climate Change Impacts on Marine Ecosystems	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 330 ENVIR 330	.	.			
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 1/15/08													
FISH 340	GENETS & MOLEC ECOL Genetics and Molecular Ecology	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 340 BIOL 340	.	.			
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 1/30/03													
FISH 350	MARINE COASTAL ECOL MARINE ECOLOGY OF COASTAL SYSTEMS	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	FISH 350 SMEA 350	.	.			
	COMMENT:CHG JT STATUS			LAST UPDT:12/11/12		APPROVED:10/25/04													
FISH 370	MARINE EVOLN BIOL Marine Evolutionary Biology	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 370 OCEAN 370	.	.			
				LAST UPDT: 7/23/15		APPROVED:12/16/14											MARBIO 370		
FISH 404	FISH DISEASES Diseases of Aquatic Animals	SPR/2010 - AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.		.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 7/17/15		APPROVED: 9/14/89		FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081											
FISH 415	FISH PHYSIOLOGY FISH PHYSIOLOGY	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.		.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 5/10/73													
FISH 420	ECOL MARINE FISHES ECOLOGY OF MARINE FISHES	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.		.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT:12/11/12		APPROVED: 9/17/96													
FISH 423	AQUA INVASION ECOL Aquatic Invasion Ecology	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y		.	.			
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 9/20/07													
FISH 424	BIOL CULT AQ ORG Biology and Culture of Aquatic Organisms	SPR/2010 - AUT/9999	5.0	Y			
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED:10/27/05													

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COLLEGE : D - Environment
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CURRIC	NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D D S H F V L E E W										RESPONS	JOINT	I			
						-ALL	U	GRD	E	U	N	E	P	&	N				C	M	S	N
FISH	455	FISH WILDLIFE TOXIC Fish and Wildlife Toxicology	SPR/2010 -	AUT/9999	3.0-05.0	Y	.	.	Y	.	.	.	FISH	455	ESRM	457	.
						LAST UPDT:11/02/15 APPROVED: 9/22/97															
						FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081															
FISH	458	MODEL/ESTIM RES MGT Modeling and Estimation in Conservation and Resource Management	AUT/2014 -	AUT/9999	4.0	Y	.	.	.	FISH	458	Q SCI	458	.
						LAST UPDT: 7/25/14 APPROVED: 5/29/75															
						COMMENT:14-16 RECOMMENDED CHG															
FISH	461	RES ECON MGMT PLCY Resource Economics for Management and Policy	AUT/2015 -	AUT/9999	4.0	Y
						LAST UPDT:12/29/14 APPROVED:12/16/14															
FISH	464	ARCTIC MARINE ECOL Arctic Marine Vertebrate Ecology	WIN/2013 -	AUT/9999	4.0	Y
						LAST UPDT: 1/02/13 APPROVED:10/16/12															
FISH	473	LIMNOLOGY Limnology	AUT/2010 -	AUT/9999	3.0	Y	.	.	.	FISH	473	BIOL	473	.
						LAST UPDT:12/29/10															
						COMMENT:10-12 PREQ CHG															
FISH	474	LIMNOLOGY LAB Limnology Laboratory	SPR/2010 -	AUT/9999	2.0	Y	.	.	Y	.	.	.	FISH	474	BIOL	474	.
						LAST UPDT: 3/12/15 APPROVED: 3/29/05															
						FEE TYPE:1 \$125.00 BUDGET:069602 REV OBJ CD:943081										CEE 463					
FISH	475	MARINE MAMMALOGY Marine Mammalogy	SPR/2010 -	AUT/9999	3.0-05.0	Y	.	.	Y
						LAST UPDT: 7/23/15 APPROVED: 5/29/75															
						FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081															
FISH	477	MARINE BIOL SEMINAR Seminar in Marine Biology	WIN/2011 -	AUT/9999	3.0	Y	.	.	.	OCEAN	477	BIOL	477	.
						LAST UPDT: 2/14/11 APPROVED: 9/22/10															
																OCEAN 477					
FISH	478	SUSTAINABLE FISH Topics in Sustainable Fisheries	SPR/2010 -	AUT/9999	3.0	9.0	Y	Y	.	.	FISH	478	ENVIR	478	.
						LAST UPDT: 2/10/10 APPROVED:11/30/00															
																BIOL 478					
						COMMENT:MOVE COLLEGE															

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	&	N			
FISH 567	TOPICS ADV ECOLOGY TOPICS IN ADVANCED ECOLOGY	AUT/2012 - AUT/9999	3.0	6.0	.	.	.	.	.	.	.	.	.	.	BIOL 567	BIOL 567	.
	COMMENT:CHG JT STATUS			LAST UPDT:12/11/12		APPROVED: 9/16/08						SEFS 567					
FISH 578	GR SUSTAINABLE FISH Graduate Topics in Sustainable Fisheries	SPR/2010 - AUT/9999	2.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED:11/30/00											
FISH 581	CASE STUDY METHODS Case Study Research: Design and Methods	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	SMEA 581	SMEA 581	.
	COMMENT:CHG TITLES, DESC			LAST UPDT: 7/23/15		APPROVED:12/07/89											
FISH 582	FISH MGMT CONTEMP FISHERY MANAGEMENT:CONTEMPORARY ISSUES	WIN/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	SMEA 582	SMEA 582	.
	COMMENT:CHG JT STATUS			LAST UPDT: 9/07/11		APPROVED:12/07/89											
FISH 600	INDEPNDNT STDY/RSCH Independent Study or Research	SPR/2010 - AUT/9999	0.0	999.0	.	CR/NC	.	11	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 4/19/10													
FISH 700	MASTERS THESIS Master's Thesis	SPR/2010 - AUT/9999	0.0	999.0	.	CR/NC	.	11	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 4/19/10													
FISH 800	DOCTORAL DISSERTATN Doctoral Dissertation	SPR/2010 - AUT/9999	0.0	999.0	.	CR/NC	.	11
	COMMENT:MOVE COLLEGE			LAST UPDT: 4/19/10													

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						-ALL	U		GRD	E	U		N	E	P	&	N			
ATM S	101	WEATHER Weather	WIN/2013	- AUT/9999	5.0	Y
						LAST UPDT: 1/16/13														
COMMENT:END DL																				
ATM S	103	HURRICANE SCIENCE Hurricanes and Thunderstorms: Their Science and Impact	SPR/2014	- AUT/9999	3.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
						LAST UPDT:11/20/13 APPROVED:11/19/13														
ATM S	111	GLOBAL WARMING Global Warming: Understanding the Issues	AUT/2012	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
						LAST UPDT: 6/20/12 APPROVED: 1/15/08														
COMMENT:ADD AOK																				
ATM S	211	CLIMATE CHANGE Climate and Climate Change	AUT/2012	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
						LAST UPDT: 9/05/12 APPROVED: 6/30/95														
COMMENT:ADD AOK																				
ATM S	212	AIR POLLUTION Air Pollution: From Urban Smog to the Ozone Hole	AUT/2012	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
						LAST UPDT: 9/05/12 APPROVED: 3/29/06														
COMMENT:ADD AOK																				
ATM S	220	EXPLORING ATMOS SCI Exploring the Atmospheric Sciences	WIN/2013	- AUT/9999	1.0	2.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 7/23/15 APPROVED: 6/21/11														
COMMENT:CHG MAX CREDITS																				
ATM S	290	WEATHER CHALLENGE The Weather Challenge	AUT/2015	- AUT/9999	1.0	8.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 8/05/15 APPROVED: 3/19/13														
ATM S	301	INTRO TO ATMOSPH SC Introduction to Atmospheric Sciences	AUT/2009	- AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 8/12/09														
COMMENT:MOVE COLLEGE																				
ATM S	321	SCIENCE OF CLIMATE The Science of Climate	AUT/2009	- AUT/9999	3.0	Y	
						LAST UPDT: 8/12/09														
COMMENT:MOVE COLLEGE																				

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				-ALL U	GRD		E	U N E	P	& N C	M S N	A S W T P R G					
ATM S 492	METEOR/CLMTLGY READ Readings in Meteorology or Climatology	AUT/2009 - AUT/9999	0.0	15.0	.	CR/NC
	COMMENT:MOVE COLLEGE																
ATM S 493	MTR/CLMTL SPEC PROB SPEC PROBLMS IN METEOROLOGY/CLIMATOLOGY	AUT/2009 - AUT/9999	0.0		.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 497	INTERNSHIP Undergraduate Internship	SPR/2014 - AUT/9999	1.0-05.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
ATM S 499	UNDERGRAD RESEARCH Undergraduate Independent Research	SPR/2014 - AUT/9999	1.0-05.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
ATM S 501	ATMOS PHYS & CHEM Fundamentals of Physics and Chemistry of the Atmosphere	AUT/2009 - AUT/9999	5.0		.		.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 502	INTRO SYNOPTIC MET Introduction to Synoptic Meteorology	AUT/2009 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 503	ATMOS MOTIONS I Atmospheric Motions I	AUT/2009 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 504	ATMOS MOTIONS II Atmospheric Motions II	AUT/2009 - AUT/9999	5.0		.		.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 505	FLUID DYNAMICS Introduction to Fluid Dynamics	AUT/2013 - AUT/9999	4.0		AMATH 505 OCEAN 511	.
	COMMENT:EMAIL PREQ CHG															AMATH 505	.

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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
ATM S 542	SYNOP/MESOSCALE DYN Synoptic and Mesoscale Dynamics	AUT/2009 - AUT/9999	3.0
	COMMENT:MOVE COLLEGE																
ATM S 544	ENSEMBLE PRED SYS Design and Application of Ensemble Prediction Systems	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS																
ATM S 545	GEN CIRCULTN ATMSPH General Circulation of Atmosphere	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 547	BOUNDARY LAYER MET Boundary Layer Meteorology	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 551	STRUCT & ANALYSIS I Atmospheric Structure and Analysis I: Synoptic Scale Systems	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 552	OBJECTIVE ANALYSIS Objective Analysis	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 553	STRCT & ANALYSIS II ATM STRUCT &ANLYS II:NON-CONVCTV MESOSCLE CIRCULTN	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ATM S 554	PALEOCLIMAT PROXIES Paleoclimate Proxies	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ATM S 554 ESS	554	.	.
															OCEAN	554	.
ATM S 555	PLANET ATMOS Planetary Atmospheres	AUT/2009 - AUT/9999	3.0	ASTR 555 ASTR	555	.	.
	COMMENT:MOVE COLLEGE														ESS	581	.

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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		U	E	U	N	E	P	& N	C				M	S	N
C ENV 110	FOOD & ENVIRONMENT Introduction to Food and the Environment	AUT/2011 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 2/15/11		APPROVED: 2/15/11											
C ENV 190	INTRODUCTORY TOPICS Introductory Topics in Environment	AUT/2011 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/22/11		APPROVED: 3/15/11											
C ENV 410	MESA TUTOR WRKSH P MESA Introductory Tutor Training Workshop	AUT/2014 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14											
C ENV 420	MESA TUTOR SEMNR MESA Introductory Tutor Training Seminar	AUT/2014 - AUT/9999	1.0-02.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14											
C ENV 425	MESA TUTORING MESA Tutoring Practicum	AUT/2014 - AUT/9999	1.0-03.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14											
C ENV 430	MESA ADV TUTOR SEM MESA Advanced Tutor Training Seminar	AUT/2014 - AUT/9999	1.0-02.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14											
C ENV 490	SPECIAL TOPICS Special Topics in Environment	WIN/2011 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/19/10		APPROVED:10/19/10											
C ENV 500	COM SCI TO PUBLIC Communicating Science to the Public Effectively	WIN/2013 - AUT/9999	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/30/12		APPROVED: 9/18/12											
C ENV 590	SPECIAL TOPICS Special Topics in Environment	WIN/2011 - AUT/9999	1.0-05.0	15.0
				LAST UPDT:10/19/10		APPROVED:10/19/10											

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					-ALL	U		GRD	E	U	N	E	P	&	N			
FHL 305	BIOLOGY OF FISHES Biology of Fishes	AUT/2015 -	AUT/9999	5.0	Y	.	.	Y
LAST UPDT: 6/05/15 APPROVED: 4/15/14 FEE TYPE:1 \$100.00 BUDGET:029357 REV OBJ CD:943081																		
FHL 333	SPEC TOPICS MAR SCI Special Topics in Marine Science	SPR/2016 -	AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 3/21/16 APPROVED: 2/16/16																		
FHL 430	MARINE ZOOLOGY Marine Zoology	AUT/2014 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	FHL 430 BIOL 430	.
LAST UPDT:10/16/15 APPROVED: 6/03/14 FEE TYPE:1 \$90.00 BUDGET:068530 REV OBJ CD:943081																		
FHL 432	MARINE INVERT ZOOL Marine Invertebrate Zoology	SUM/2015 -	AUT/9999	9.0	.	.	.	.	Y	.	.	Y	.	.	.	FHL 432 BIOL 432	.
LAST UPDT: 1/30/15 APPROVED: 2/20/15 FEE TYPE:1 \$150.00 BUDGET:098456 REV OBJ CD:943081																		
FHL 435	RES APPRENTICESHIP Research Apprenticeship in Marine Science	AUT/2015 -	AUT/9999	15.0	.	.	.	.	.	.	.	Y	.	.	.	FHL 435 BIOL 435	.
LAST UPDT: 9/10/15 APPROVED: 1/20/15 MARBIO 435																		
FHL 440	MARINE BOTANY Marine Botany	AUT/2014 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	FHL 440 BIOL 445	.
LAST UPDT:10/16/15 APPROVED: 6/03/14 FEE TYPE:1 \$90.00 BUDGET:068530 REV OBJ CD:943081																		
FHL 446	MAR BOT DIV ECOL Marine Botany: Diversity and Ecology	SUM/2016 -	AUT/9999	9.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.
LAST UPDT: 1/22/16 APPROVED: 1/20/15 FEE TYPE:1 \$150.00 BUDGET:098456 REV OBJ CD:943081																		
FHL 450	SHORE ECOL RES EXP Nearshore Ecology Research Experience	AUT/2015 -	AUT/9999	6.0	.	.	.	.	Y	.	.	Y	.	.	.	FHL 450 MARBIO450	.
LAST UPDT: 1/21/15 APPROVED: 4/15/14 COMMENT:CHG JT STATUS FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081																		
FHL 460	AQUA ANIMAL RES EXP Aquatic Animals Research Experience	AUT/2015 -	AUT/9999	6.0	.	.	.	.	Y	.	.	Y	.	.	.	FHL 460 MARBIO460	.
LAST UPDT: 1/21/15 APPROVED: 4/15/14 COMMENT:CHG JT STATUS FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081																		

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

Q SCI 499 RESEARCH EXPERIENCE SPR/2010 - AUT/9999 1.0-15.0 15.0 Y CR/NC

Research Experience

LAST UPDT: 2/04/10 APPROVED: 6/28/73

COMMENT:MOVE COLLEGE

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
ENVIR 100	INTRO ENV STUDIES Introduction to Environmental Studies	WIN/2016 - AUT/9999	5.0	Y	Y
				LAST UPDT:10/22/15		APPROVED: 1/25/06											
ENVIR 103	SOCIETY & THE OCEANS Society and the Oceans	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	SMEA 103 JSIS B103	.	
				LAST UPDT:12/15/11		APPROVED:12/21/10		SMEA 103									
				COMMENT:CHG JT STATUS													
ENVIR 200	ENVIR COMMUNICATION Communication for Environmental Studies	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT:10/22/15		APPROVED: 3/29/06											
ENVIR 210	INTRO ENVIR MODEL Introduction to Environmental Modeling	SPR/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	Y	.	Q SCI 210 Q SCI 210	.	
				LAST UPDT:10/01/15		APPROVED:12/30/86											
				COMMENT:CHG CREDITS, DESC													
ENVIR 211	ENVIR JUSTICE Environmental Justice	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	ANTH 211 ANTH 211	.	
				LAST UPDT: 2/19/15		APPROVED: 9/15/09		AES 211									
ENVIR 221	US ENVIRON HIST Environmental History of the United States	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	HSTAA 221 HSTAA 221	.	
				LAST UPDT: 2/16/10		APPROVED: 2/16/10											
				COMMENT:JOINT WITH HSTAA 221													
ENVIR 235	INTRO ENVIRO ECON Introduction to Environmental Economics	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	ESRM 235 ECON 235	.	
				LAST UPDT: 7/23/15		APPROVED: 2/19/08		ESRM 235									
				COMMENT:MOVE COLLEGE													
ENVIR 239	SUSTAINABLE CHOICES Sustainability: Personal Choices, Broad Impacts	AUT/2014 - AUT/9999	3.0-05.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.
				LAST UPDT: 6/04/14		APPROVED: 6/03/14											
ENVIR 240	THE URBAN FARM The Urban Farm	SPR/2014 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.
				LAST UPDT: 2/10/15		APPROVED: 3/18/14											
				FEE TYPE:1 \$30.00 BUDGET:069240 REV OBJ CD:943081													
ENVIR 243	ENVIRONMENTAL ETHICS Environmental Ethics	AUT/2014 - AUT/9999	5.0	Y	Y	.	.	.	PHIL 243 PHIL 243	.	
				LAST UPDT: 8/05/14		APPROVED: 5/17/06											
				COMMENT:14-16 AOK													

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				-ALL U	GRD		U N E	P	& N C M S N	A	S	W	T	P			
ENVIR 250	RES METHODS ENV ST Research Methods in Environmental Studies	WIN/2016 - AUT/9999	5.0	Y	.	.	Y	.	Y
				LAST UPDT:10/22/15 APPROVED: 9/15/09 FEE TYPE:1 \$10.00 BUDGET:069240 REV OBJ CD:943081													
ENVIR 260	PUGET ECOSYSTEM THE PUGET SOUND ECOSYSTEM	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	.	.	Y	Y	.	.	.	OCEAN 260	OCEAN 260	.
				LAST UPDT: 2/10/10 APPROVED:11/21/05 COMMENT:MOVE JT COLLEGE													
ENVIR 280	NAT HIST PUGET SOUND Natural History of the Puget Sound Region	WIN/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/22/15 APPROVED: 1/17/12 FEE TYPE:1 \$85.00 BUDGET:069240 REV OBJ CD:943081													
ENVIR 295	SPECIAL TOPICS Special Topics in Environmental Studies	WIN/2016 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/22/15 APPROVED:10/20/15													
ENVIR 296	STUDY ABROAD Study Abroad - Environmental Studies	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06 COMMENT:MOVE COLLEGE													
ENVIR 300	ANALYSIS ENV CASES Analysis of Environmental Cases	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT:10/22/15 APPROVED: 3/29/06													
ENVIR 313	ENVIR EARTH SCI Environmental Earth Science	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	ESS 315	ESS 315	315
				LAST UPDT: 3/21/16 APPROVED: 3/01/76 FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081 COMMENT:MOVE COLLEGE													
ENVIR 320	CHANGING RIVERS Changing Rivers of Puget Sound	SPR/2011 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	ESS 320	ESS 320	320
				LAST UPDT: 8/05/14 APPROVED:12/21/10 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081 COMMENT:PENDING													
ENVIR 330	CLIMATE CHG MAR ECO Climate Change Impacts on Marine Ecosystems	SPR/2010 - AUT/9999	5.0	Y	.	.	.	FISH 330	FISH 330	330
				LAST UPDT: 2/10/10 APPROVED: 1/15/08 COMMENT:MOVE JT COLLEGE													

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				-ALL U	GRD		U N E	P & N	C M S N	A S W T P R G	MAX	P	SYS				D	HYPH	M
ENVIR 341	ENERGY & ENVIRON Energy and Environment	AUT/2014 - AUT/9999	3.0	Y	CHEM E341 M E 341 .
	COMMENT:CHG RESP DEPT																		CHEM E 341
ENVIR 350	INTERNSHIP Internship	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 DESC CHG																		
ENVIR 360	ENVIR NORM INTL POL Environmental Norms in International Politics	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	JSIS B350 JSIS B350 .
	COMMENT:CHG JT STATUS																		SCAND 350
ENVIR 362	INTRO REST ECOL Introduction to Restoration Ecology	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	Y	.	.	.	.	ESRM 362 ESRM 362 .
	COMMENT:MOVE COLLEGE																		
																			LAST UPDT: 7/23/15 APPROVED: 1/31/01 FEE TYPE:1 \$25.00 BUDGET:069393 REV OBJ CD:943081
ENVIR 371	ANTH OF DEVELOP Anthropology of Development	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	ANTH 371 ANTH 371 .
	COMMENT:MOVE COLLEGE																		LAST UPDT: 8/12/09 APPROVED: 2/25/00
ENVIR 379	ENVIRON SOCIOLOGY Environmental Sociology	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	Y	.	.	.	.	ESRM 371 ESRM 371 .
	COMMENT:MOVE COLLEGE																		SOC 379
ENVIR 384	GLOBAL ENV POLITICS Global Environmental Politics	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	POL S 384 POL S 384 .
	COMMENT:MOVE COLLEGE																		LAST UPDT: 8/12/09 APPROVED:10/27/05
ENVIR 385	WORLD FOOD POLITCS Political Ecology of the World Food System	SPR/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	Y	.	.	.	.	POL S 385 POL S 385 .
																			LAST UPDT: 2/14/13 APPROVED: 1/15/13
ENVIR 410	RESOURCE ECOSYSTEMS Growing Stuff: Ecology, Economy, and Culture of Resource-Production Ecosystems	SUM/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	ANTH 410 ESRM 405 .
																			LAST UPDT:11/18/15 APPROVED: 6/03/14 FEE TYPE:1 \$37.00 BUDGET:069643 REV OBJ CD:943081

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				-ALL	U		GRD	E	U	N	E	P	&			
ENVIR 492	CAPSTONE SYNTHESIS Environmental Studies Capstone: Synthesis and Communication	WIN/2016 - AUT/9999	3.0	.	.	22
				LAST UPDT:10/22/15		APPROVED: 2/22/99										
ENVIR 495	ADVANCED TOPICS Advanced Topics in Environmental Studies	SPR/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	Y	.	.	.	.	.	.	.
COMMENT:WAS ENVIR 450; CHG TTL, DESC				FEE TYPE:1	\$37.00	BUDGET:069240	REV	OBJ	CD:943081							
ENVIR 496	ADV STUDY ABROAD Study Abroad - Advanced Environmental Studies	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 8/08/06										
ENVIR 497	ENVIR STUDIES SEMR Seminar in Environmental Studies	AUT/2012 - AUT/9999	1.0-03.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG				LAST UPDT: 7/12/12		APPROVED:10/25/06										
ENVIR 498	INDEPENDENT STUDY Independent Study	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG				LAST UPDT: 7/12/12		APPROVED:12/30/98										
ENVIR 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED:10/25/06										
ENVIR 500	SEMINAR IN ENVIR ST Graduate Seminar in Environmental Studies	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	Y	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG				FEE TYPE:1	\$50.00	BUDGET:069240	REV	OBJ	CD:943081							
ENVIR 501	GRAD SEM ENVIR MGT Graduate Seminar in Environmental Management	AUT/2009 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 9/25/02										
ENVIR 502	BUS STRAT NAT ENVIR Business Strategy and the Natural Environment	AUT/2009 - AUT/9999	4.0
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED:10/25/04										

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				-ALL U	GRD		U	N	E	P	& N	C	M	S			
ESS 100	DINOSAURS Dinosaurs	AUT/2009 - AUT/9999	2.0	Y
				LAST UPDT: 8/12/09 APPROVED:12/01/85													
				COMMENT:MOVE COLLEGE													
ESS 101	INTRO TO GEOL SCI Introduction to Geological Sciences	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/06/12 APPROVED: 1/01/82													
				FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081													
				COMMENT:MOVE COLLEGE													
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	SPR/2016 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 9/20/12													
				FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081													
				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: 8/06/12 APPROVED: 4/28/03													
				FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081													
				COMMENT:MOVE COLLEGE													
ESS 106	LIVING WITH VOLCANO Living with Volcanoes	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	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	.	.	.	.	.	ASTBIO115	ASTBIO115
				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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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G									
ESS 310	EARTH SCI MATH Mathematical Methods in the Earth Sciences	AUT/2012 - AUT/9999	5.0	Y		
				LAST UPDT: 9/05/12		APPROVED: 8/21/12													
ESS 311	GEOMECHANICS Geomechanics	AUT/2012 - SUM/2016	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 4/07/16		APPROVED: 2/25/98													
				COMMENT:CHG PREQ		FEE TYPE:1		\$10.00 BUDGET:069340 REV OBJ CD:943081											
ESS 311	GEOMECHANICS Geomechanics	AUT/2016 - AUT/2016	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/16		APPROVED: 2/25/98													
				FEE TYPE:1		\$10.00 BUDGET:069340 REV OBJ CD:943081													
ESS 311	GEOMECHANICS Geomechanics	WIN/2017 - AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/16		APPROVED: 2/25/98													
				FEE TYPE:1		\$10.00 BUDGET:069340 REV OBJ CD:943081													
ESS 312	GEOCHEMISTRY Geochemistry	AUT/2009 - SUM/2016	5.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 4/07/16		APPROVED: 2/25/98													
				COMMENT:MOVE COLLEGE															
ESS 312	GEOCHEMISTRY Geochemistry	AUT/2016 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 4/07/16		APPROVED: 2/25/98													
ESS 313	GEOBIOLOGY Geobiology	AUT/2009 - SUM/2016	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 4/07/16		APPROVED: 2/25/98													
				COMMENT:MOVE COLLEGE		FEE TYPE:1		\$40.00 BUDGET:069340 REV OBJ CD:943081											
ESS 313	GEOBIOLOGY Geobiology	AUT/2016 - AUT/2016	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/16		APPROVED: 2/25/98													
				FEE TYPE:1		\$40.00 BUDGET:069340 REV OBJ CD:943081													
ESS 313	GEOBIOLOGY Geobiology	WIN/2017 - AUT/9999	5.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 5/11/16		APPROVED: 2/25/98													
				FEE TYPE:1		\$40.00 BUDGET:069340 REV OBJ CD:943081													

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				-ALL U	GRD		E	U N E	M R E	P & A	N S	C W	M T	S P			
ESS 403	GLOBAL TECTONICS Global Tectonics	AUT/2009 - AUT/9999	5.0	Y
COMMENT:CHG TTL,CRDT,DSC, COLLEGE				LAST UPDT: 8/12/09		APPROVED: 1/28/00											
ESS 406	EARTH SCI FOR TEACH Earth Sciences for Middle and High School	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 2/25/02											
ESS 408	GREAT ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED: 3/29/06											
ESS 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	AUT/2010 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	OCEAN 410	OCEAN 410
COMMENT:CHG DESC, PREQ				LAST UPDT: 7/23/15		FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081											
ESS 411	CONTINUUM MECHANICS Geophysical Continuum Mechanics	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG CREDITS				LAST UPDT: 3/15/10													
ESS 412	INTRO SEISMOLOGY Introduction to Seismology	AUT/2011 - AUT/2016	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG TITLES, PREQ, DESC				LAST UPDT: 5/05/16													
ESS 412	INTRO SEISMOLOGY Introduction to Seismology	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG TITLES, PREQ, DESC				LAST UPDT: 5/05/16													
ESS 413	GEOPHYSICS EARTH Geophysics: The Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09													
ESS 414	FLUIDS Geophysics: Fluids	AUT/2009 - AUT/9999	3.0	Y
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09													

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				-ALL U	GRD		U N E	P & A	N C M S N	E C Q T	P N C M S N	A S W T P R G					
ESS 426	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2012 - AUT/9999	5.0	Y	
				LAST UPDT: 9/28/12 APPROVED: 1/01/79 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081													
ESS 427	HILLSLOPE GEOMORPH Hillslope Geomorphology	AUT/2013 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.
				LAST UPDT: 8/20/13 APPROVED: 1/01/79 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081													
ESS 428	LANDSCAPE EVOLUTION LANDSCAPE EVOLUTION	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 2/25/98 COMMENT:MOVE COLLEGE													
ESS 431	PRINS OF GLACIOLOGY Principles of Glaciology	AUT/2012 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.
				LAST UPDT: 9/28/12 APPROVED: 6/01/89 FEE TYPE:1 \$17.00 BUDGET:069340 REV OBJ CD:943081													
ESS 432	GLACIAL GEOLOGY Glacial Geology	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED:12/01/79 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	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:12/21/10 APPROVED:12/21/10													
ESS 437	MINERALOGY Mineralogy	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED:10/26/99 COMMENT:MOVE COLLEGE													
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													

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				-ALL U MAX	GRD P SYS	E D HYPH	U N E M R E	P & N C M S N A S W T P R G			
ESS 440	PETRO/PETRL META RK Petrography and Petrology of Metamorphic Rocks	AUT/2009 - AUT/9999	5.0 Y			
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09							
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: 8/06/12 APPROVED: 6/01/77 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081							
ESS 447	ENGINEERING GEOLOGY Engineering Geology: Methods and Application	AUT/2013 - AUT/9999	4.0	.	.	.	. Y	. . . . .		
	COMMENT:ADD FEE			LAST UPDT: 8/20/13 APPROVED: 2/28/12 FEE TYPE:1 \$40.00 BUDGET:069340 REV OBJ CD:943081							
ESS 449	BIOL FIELD METHODS Intensive Field Experience in Biology	SUM/2015 - AUT/9999	3.0-05.0	.	.	.	. Y	. . Y	BIOL 475	BIOL 475	.
	COMMENT:CHG CREDITS			LAST UPDT: 6/04/15 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			
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/06/12 APPROVED: 2/01/82 FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081							
ESS 451	INVERT PALEONTOLOGY Invertebrate Paleontology	WIN/2013 - AUT/9999	5.0	.	.	.	. Y	. . Y	ESS 451	BIOL 451	.
	COMMENT:CHG FEE			LAST UPDT: 3/11/16 APPROVED: 2/25/02 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	.
	COMMENT:CHG FEE			LAST UPDT: 3/21/16 APPROVED:10/25/06 FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081							
ESS 453	FOSSIL MAMMALS Fossil Mammals	AUT/2009 - AUT/9999	5.0 Y			
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED:12/01/85							

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				-ALL U MAX	GRD P	E SYS	D HYPH	U N E M R E	P & A	N S	C W	M T	S P				R G	
ESS 454	HYDROGEOLOGY Hydrogeology	WIN/2015 - AUT/9999	4.0	Y
	COMMENT:CHG CREDITS			LAST UPDT: 6/04/14 APPROVED: 5/19/09														
ESS 455	STRATIGRAPHY Stratigraphy	AUT/2009 - AUT/9999	4.0	Y	.	.	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/06/12 FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081														
ESS 456	DEPOSTINAL ENVIRONS Depositional Environments	AUT/2009 - AUT/9999	4.0	Y	.	.	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/06/12 APPROVED: 1/01/82 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081														
ESS 457	ENV GEOCHEM Environmental Geochemistry	AUT/2009 - AUT/2016	4.0	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 6/13/16 APPROVED: 3/29/06														
ESS 457	ENV GEOCHEM Environmental Geochemistry	WIN/2017 - AUT/9999	4.0	Y
				LAST UPDT: 6/13/16 APPROVED: 3/29/06														
ESS 458	ISOTOPE GEOL LITHOS ISOTOPE AND TRACE ELEMENT GEOLOGY: LITHOSPHERE	AUT/2009 - AUT/9999	3.0	Y
	COMMENT:UPDATE PREQ, COLLEGE			LAST UPDT: 8/12/09 APPROVED: 6/01/90														
ESS 459	ENV ISOTOPE GEOCHEM Environmental Isotope Geology	AUT/2009 - AUT/9999	3.0	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED:10/01/74														
ESS 460	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	AUT/2009 - AUT/9999	3.0	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED: 3/29/04														
ESS 461	GEOLOGICAL TIME Geological Time	AUT/2009 - AUT/9999	3.0	Y
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED: 3/27/95														

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER 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 462	VOLCANIC PROCESSES Volcanic Processes	SPR/2014 - AUT/9999	4.0	Y
COMMENT:EMAIL PREQ CHG				LAST UPDT:12/12/13				APPROVED: 6/01/99										
ESS 463	STRUCTURE TECTONICS Structure and Tectonics	WIN/2013 - AUT/9999	5.0	Y	.	.	Y	
COMMENT:CHG FEE				LAST UPDT:10/16/12				APPROVED: 2/25/98				FEE TYPE:1 \$150.00 BUDGET:069340 REV OBJ CD:943081						
ESS 464	GEODYNAMICS GEODYNAMICS	AUT/2012 - AUT/9999	4.0	Y	
COMMENT:UPDATE PREQ				LAST UPDT: 9/06/12				APPROVED: 2/28/94										
ESS 465	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	Y	.	.	.	CEE	431	CEE	431
COMMENT:UPDATE PREQ				LAST UPDT: 3/21/16				APPROVED:12/01/99										
ESS 466	APPLIED SEISMOLOGY APPLIED SEISMOLOGY	AUT/2009 - AUT/9999	2.0	Y	
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED: 1/01/88										
ESS 467	SEIS EXPLR & STRAT Seismic Exploration and Stratigraphy	SPR/2010 - AUT/9999	5.0	Y	.	.	.	ESS	467	OCEAN	412
COMMENT:CHG TITLES, PREQ, DESC				LAST UPDT: 3/24/15				APPROVED:12/01/89										
ESS 471	INTRO TO SPACE PHYS Introduction to Space Physics	AUT/2009 - AUT/9999	3.0	Y	
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED: 9/27/91										
ESS 472	ROCKETS & INSTRUMNT Rockets and Instrumentation	WIN/2012 - AUT/9999	2.0-04.0	12.0	Y	
COMMENT:CHG CREDITS, DESC				LAST UPDT: 8/06/12				APPROVED: 2/21/07				FEE TYPE:1 \$175.00 BUDGET:069340 REV OBJ CD:943081						
ESS 475	CLMT SCI RSRCH SMNR Current Research in Climate Science Seminar	AUT/2011 - AUT/9999	3.0	6.0	OCEAN	475	ATM S	475
				LAST UPDT: 3/22/16				APPROVED: 1/18/11				OCEAN 475						

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				-ALL	U		GRD	E	U	N	E	P	&	N			
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: 6/30/16		APPROVED: 6/07/16		FEE TYPE:1 \$50.00 BUDGET:069340 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	UNDERGRAD THESIS Undergraduate Thesis	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09		COMMENT:MOVE COLLEGE											
ESS 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	0.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09		APPROVED: 2/01/87		COMMENT:MOVE COLLEGE									
ESS 501	GEOCHEMICAL SYSTEMS Geochemical Systems	AUT/2009 - AUT/9999	3.0
				LAST UPDT: 8/12/09		APPROVED: 6/13/06		COMMENT:MOVE COLLEGE									

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ESS 502	THE SOLID EARTH The Solid Earth	AUT/2009 - AUT/9999	3.0
	COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 6/13/06										
ESS 503	SOLAR TERRESTR PHYS Introduction to Solar Terrestrial Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 8/08/06										
ESS 504	EARTH SURFACE The Earth Surface	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE					LAST UPDT: 8/06/12		APPROVED: 6/13/06		FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081								
ESS 505	THE CRYOSPHERE The Cryosphere	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.			.
						LAST UPDT: 6/22/11		APPROVED: 6/21/11										
ESS 508	GREAT GEOL ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE					LAST UPDT: 8/12/09		APPROVED: 3/29/06										
ESS 509	APPL FIELD MTHDS I Field Methods in Applied Geology I	WIN/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.			.
	COMMENT:ADD FEE					LAST UPDT: 9/05/13		APPROVED: 4/16/13		FEE TYPE:1 \$500.00 BUDGET:069340 REV OBJ CD:943081								
ESS 510	APPL FIELD MTHDS II Field Methods in Applied Geology II	WIN/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.			.
	COMMENT:ADD FEE					LAST UPDT: 9/05/13		APPROVED: 4/16/13		FEE TYPE:1 \$500.00 BUDGET:069340 REV OBJ CD:943081								
ESS 511	CONTINUUM MECHANICS Geophysical Continuum Mechanics	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:CHG CREDITS					LAST UPDT: 3/15/10		APPROVED: 1/24/95										
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										

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W												RESPONS COURSE	JOINT COURSES	O M I T					
				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D	HYPH	M				R	E	A	S	W	T	P	R	G
ESS 553	ELEC BEAM ANALYSIS Electron Beam Microanalysis	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
				LAST UPDT: 8/12/09		APPROVED:12/16/08												ATM S 554	ATM S 554	.			
																		OCEAN 554					
ESS 555	PHYS CHEM EARTH Physics and Chemistry of the Earth's Interior	AUT/2009 - AUT/9999	3.0
				LAST UPDT: 8/12/09		APPROVED: 3/28/94																	
COMMENT:MOVE COLLEGE																							
ESS 556	PHYSICAL PETROLOGY PHYSICAL PETROLOGY	AUT/2009 - AUT/9999	3.0
				LAST UPDT: 8/12/09		APPROVED:12/01/89																	
COMMENT:MOVE COLLEGE																							
ESS 557	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0	Y
				LAST UPDT:11/06/13		APPROVED: 5/19/09												BIOL 557	BIOL 557	.			
				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
				LAST UPDT: 8/23/12		APPROVED: 6/19/12												BIOL 555	BIOL 555	.			
ESS 559	CLIMATE MODELING Climate Modeling	SPR/2010 - AUT/9999	3.0
				LAST UPDT: 3/21/16		APPROVED: 6/20/07												ATM S 559	OCEAN 558	.			
																		ATM S 559					
COMMENT:MOVE JT COLLEGE																							
ESS 560	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	AUT/2009 - AUT/9999	3.0
				LAST UPDT: 8/12/09		APPROVED: 3/29/04																	
COMMENT:MOVE COLLEGE																							
ESS 562	OBSERVATNAL SEISMOL Observational Seismology	AUT/2009 - AUT/9999	1.0	18.0	Y	CR/NC
				LAST UPDT: 8/12/09																			
COMMENT:MOVE COLLEGE																							

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				-ALL	U		GRD	E	U	N	E	P	&	N			
ESS 563	THEOR SEISMOLOGY I Theoretical Seismology I	AUT/2009 - AUT/9999	3.0
	COMMENT:MOVE COLLEGE																
ESS 564	THEOR SEISMOLOGY II Theoretical Seismology II	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 565	LOW-FREQ SEISMOLOGY LOW-FREQUENCY SEISMOLOGY	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 567	ENV GEOCHEM Environmental Geochemistry	WIN/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.
ESS 568	OCEANIC LITHOSPHERE Oceanic Lithosphere	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	OCEAN 545	OCEAN 545	.
	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	.
	COMMENT:MOVE COLLEGE																
ESS 574	ATMOS ELEC DYNAMICS ATMOSPHERIC ELECTRICAL DYNAMICS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
ESS 575	ROCKETS & INSTRUMNT Advanced Rockets and Instrumentation	WIN/2012 - AUT/9999	2.0-04.0	12.0	.	.	.	.	.	.	.	.	Y	.	.	.	.
	COMMENT:CHG CREDITS, DESC																
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																

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 FEE TYPE:1 \$175.00 BUDGET:069340 REV OBJ CD:943081

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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 & A	N S	C W	M T	S P				R G
ESS 577	ADV SPACE PLSM PHYS Advanced Space Plasma Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09													
ESS 578	KINETIC PLASMAS Kinetic Theory and Simulation of Space Plasmas	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09													
ESS 579	COMP PLAS PHYS Computational Methods and Modeling in Geophysics I	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED: 5/24/93													
ESS 580	ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	WIN/2013 - AUT/9999	3.0	18.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/20/12 APPROVED:11/20/12													
ESS 581	PLANET ATMOS Planetary Atmospheres	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ASTR 555	ASTR 555	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED: 9/01/77 ATM S 555													
ESS 582	ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SPR/2017 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 6/30/16 APPROVED: 6/07/16 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													
ESS 583	SOLAR SYSTEM ORIGIN Origin of the Solar System	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ASTR 557	ASTR 557	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED: 9/01/77													
ESS 585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	ATM S 585	ATM S 585	.
COMMENT:CHG JT STATUS				LAST UPDT: 9/07/11 APPROVED: 1/30/03 ENVIR 585 SMEA 585													
ESS 586	CLIMATE SEMINAR Current Research in Climate Change	SPR/2010 - AUT/9999	2.0	20.0	.	CR/NC	ESS 586	ATM S 586	.
COMMENT:MOVE JT COLLEGE				LAST UPDT: 2/10/10 APPROVED: 2/25/02 OCEAN 586													

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				-ALL U	GRD	E	D	HYPH						
ESS 587	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 - AUT/9999	3.0	ESS 587 ATM S 587		.	
	COMMENT:CHG TITLES, DESC											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											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											OCEAN 589		
ESS 590	SPECIAL TOPICS Special Topics	AUT/2009 - AUT/9999	2.0-10.0	20.0 Y	.	.	.	.	.	.			.
	COMMENT:MOVE COLLEGE													
ESS 592	PROF PRACTICE SEM Professional Practice in Applied Geosciences	AUT/2013 - AUT/9999	1.0	3.0	.	.	.	Y	.	.			.	
	COMMENT:ADD FEE													
				FEE TYPE:1	\$40.00	BUDGET:069340	REV OBJ CD:943081							
ESS 593	CLIMATE SEMINAR Climate Science Seminar	SPR/2010 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	ATM S 593 ATM S 593		.
	COMMENT:MOVE JT COLLEGE											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													
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													
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											OCEAN 596		

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					-ALL	U		GRD	E	U	N	E	P	&	N			
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	INDEPNDNT 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							
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				-ALL U	GRD		U	N	E		L I	P & N	C M			
OCEAN 286	FLUID MECH&WAVES LAB Physics Across Oceanography: Fluid Mechanics and Waves Laboratory	WIN/2016 - AUT/9999	2.0	Y
LAST UPDT:12/10/15 APPROVED:11/17/15																
OCEAN 295	MARINE ORG CHEM Chemistry of Marine Organic Carbon	SPR/2015 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.
LAST UPDT:11/18/15 APPROVED: 6/02/15																
FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081																
OCEAN 300	EXPLORE OPPS MARINE Exploring Opportunities in Marine Science	AUT/2015 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	OCEAN 300 FISH	300	.
LAST UPDT: 7/23/15 APPROVED: 2/18/14																
MARBIO 300																
OCEAN 320	COASTAL OCEAN Coastal Oceanography	SPR/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/22/16 APPROVED: 1/19/16																
OCEAN 330	MARINE BIOGEOCHEM Marine Biogeochemical Cycles	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT:11/20/15 APPROVED:11/17/15																
OCEAN 350	STR & PRCS MAR ORG STRUCTURE AND PROCESS IN MARINE ORGANISMS	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT:10/07/13 APPROVED: 1/31/05																
COMMENT:MOVE COLLEGE																
OCEAN 351	FND OCEAN SENSORS Foundations of Ocean Sensors	WIN/2016 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	Y	.	.	.	.
LAST UPDT: 6/09/16																
FEE TYPE:1 \$75.00 BUDGET:099670 REV OBJ CD:943081																
OCEAN 355	BIG BANG-BLU PLANET From Big Bang to the Blue Planet	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 2/10/10 APPROVED: 9/16/08																
COMMENT:MOVE COLLEGE																
OCEAN 361	OC TECH I SENSORS Ocean Technology I: Introduction to Underwater Observational Sensor Design and Build	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 2/18/15 APPROVED: 2/17/15																
OCEAN 365	SUSTAINABILITY SCI Practicing Sustainability Science	SPR/2010 - AUT/9999	8.0	Y	Y
LAST UPDT: 2/10/10 APPROVED: 6/13/06																
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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
OCEAN 370	MARINE EVOLN BIOL Marine Evolutionary Biology	SPR/2015 - AUT/9999	5.0	Y	.	.	.	FISH 370	MARBIO370	.	
LAST UPDT: 7/23/15 APPROVED:12/16/14 FISH 370																	
OCEAN 400	CHEMICAL OCEAN Chemical Oceanography	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE LAST UPDT: 2/10/10																	
OCEAN 401	SPEC TOP CHEM OCEAN Special Topics in Chemical Oceanography	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:MOVE COLLEGE LAST UPDT: 2/10/10 APPROVED: 3/28/01																	
OCEAN 409	MARINE POLLUTION Marine Pollution	WIN/2015 - AUT/9999	3.0	.	.	.	.	.	.	Y	Y	.	.			.
LAST UPDT:11/19/14 APPROVED:11/18/14																	
OCEAN 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	AUT/2010 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	OCEAN 410	ESS 410	.
COMMENT:CHG PREQ, DESC FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081 LAST UPDT: 7/23/15																	
OCEAN 411	SPEC TOP GEO/GPHYS Special Topics in Marine Geology and Geophysics	SUM/2011 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:UWCR COMMITTE REMOVE QSR LAST UPDT: 3/29/11 APPROVED: 3/28/01																	
OCEAN 412	SEIS EXPLR & STRAT Seismic Exploration and Stratigraphy	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	ESS 467	ESS 467	.
LAST UPDT: 3/23/16 APPROVED:12/01/89																	
OCEAN 420	PHYS PROC OCEAN Physical Processes in the Ocean	WIN/2014 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.			.
COMMENT:CHG PREQ LAST UPDT: 6/05/13 APPROVED: 2/21/01																	
OCEAN 421	SPEC TOP PHYS OCEAN Special Topics in Physical Oceanography	SPR/2010 - AUT/9999	3.0	Y	
COMMENT:MOVE COLLEGE LAST UPDT: 2/10/10 APPROVED: 3/28/01																	

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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
OCEAN 422	OCEAN DYNAMICS OCEAN DYNAMICS	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 2/10/10			APPROVED: 3/28/01											
OCEAN 423	OCEAN CIRC & CLIMATE Ocean Circulation and Climate	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 2/10/10			APPROVED: 3/28/01											
OCEAN 430	BIO OCEAN Biological Oceanography	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG DESC				LAST UPDT: 3/14/11														
OCEAN 431	SPEC TOP BIOL OCEAN Special Topics in Biological Oceanography	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG DESC, PREQ				LAST UPDT: 3/14/11			APPROVED: 3/28/01											
OCEAN 443	SNR THESIS PROPOSAL Undergraduate Thesis: Proposal	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC				LAST UPDT:10/15/12			APPROVED: 2/21/01											
OCEAN 444	SNR THESIS RESEARCH Undergraduate Thesis: Research	WIN/2013 - AUT/9999	2.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT:10/15/15			APPROVED:10/16/12			FEE TYPE:1 \$400.00 BUDGET:099670 REV OBJ CD:943081								
OCEAN 445	SNR THESIS:ANALYSIS Undergraduate Thesis: Data Analysis and Writing	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	Y	.	.	.	.	.	.
COMMENT:WAS OCEAN 444,CHG TTL,CRDT,DES				LAST UPDT:10/15/12			FEE TYPE:1 \$500.00 BUDGET:099670 REV OBJ CD:943081											
OCEAN 450	CLIMATIC EXTREMES Climatic Extremes	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 2/10/10			APPROVED: 4/25/01											
OCEAN 451	FLUID DYAMICS LAB FLUID DYNAMICS LABORATORY	SPR/2010 - AUT/9999	4.0	Y
COMMENT:MOVE COLLEGE				LAST UPDT: 2/10/10			APPROVED: 3/28/01											

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				-ALL U	GRD		U N E	P	L	I	E	C	Q	T			
OCEAN 452	SPATIAL INFO TECH Spatial Information Technology in Ecosystem Sciences	SPR/2010 - AUT/9999	3.0	Y	OCEAN 452 FISH 452	.
				LAST UPDT: 2/10/10		APPROVED: 3/28/01											
OCEAN 453	GEOSP TL PTRN ANLYS Geospatial Pattern Analysis and Geostatistics	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	OCEAN 453 FISH 453	.
				LAST UPDT: 2/10/10		APPROVED: 3/28/01											
				COMMENT:RECREATED OCEAN 452 WITH CHGS													
OCEAN 454	HYDROTHERMAL Hydrothermal Systems: An Interdisciplinary View	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/16/10		APPROVED: 1/25/06											
				COMMENT:MOVE COLLEGE													
OCEAN 455	OCEAN MODELING Introduction to Modeling in Oceanography	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	Y	.	.	.	.
				LAST UPDT:10/19/10		APPROVED:10/19/10											
OCEAN 460	MAR FIELD RESEARCH Marine Field Research	AUT/2012 - AUT/9999	10.0	.	.	.	.	.	.	.	Y	.	Y	.	.	.	.
				LAST UPDT: 5/16/12		APPROVED: 6/13/06											
				COMMENT:WAS OCEAN 360													
OCEAN 461	ADV OCN TECH MGMNT Advanced Ocean Technology - Project Design and Management	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 2/18/15		APPROVED: 2/17/15											
OCEAN 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: 1/26/11		APPROVED: 1/18/11											
				ESS 475													
OCEAN 477	MARINE BIOL SEMINAR Seminar in Marine Biology	WIN/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	OCEAN 477 BIOL 477	.
				LAST UPDT: 2/14/11		APPROVED: 9/22/10											
				FISH 477													
OCEAN 479	MARINE BIO RESEARCH Research in Marine Biology	SPR/2010 - AUT/9999	1.0-15.0	15.0	.	.	.	.	Y	.	.	.	.	.	.	FISH 479 BIOL 479	.
				LAST UPDT: 7/23/15		APPROVED:10/21/08											
				FISH 479													
				COMMENT:MOVE COLLEGE													
				FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081													
OCEAN 481	PUGET SOUND OCEANOGRAPHY Puget Sound and Estuarine Oceanography	AUT/2011 - AUT/9999	3.0	Y
				LAST UPDT: 4/20/11		APPROVED: 4/19/11											

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				-ALL U	GRD		U N E	P & A	N C M S N	E C Q T	P R G						
OCEAN 482	THE CHANGING ARCTIC The Changing Arctic Ocean	WIN/2013 - AUT/9999	3.0	Y
				LAST UPDT: 2/23/16 APPROVED:10/16/12													
OCEAN 492	APPRENTICE: OCEAN Friday Harbor Apprenticeship	SPR/2010 - AUT/9999	9.0-15.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 2/09/15 APPROVED: 8/23/07 FEE TYPE:1 \$100.00 BUDGET:099147 REV OBJ CD:943081													
OCEAN 494	FIELD EXP: OCEAN Field Experiences in Marine Science	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED: 8/23/07													
				COMMENT:MOVE COLLEGE													
OCEAN 496	STUDY ABROAD: OCEAN Study Abroad: Oceanography	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED: 8/23/07													
				COMMENT:MOVE COLLEGE													
OCEAN 497	ADV SPEC TOP: OCEAN Advanced Special Topics in Oceanography	SPR/2010 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED: 8/23/07													
				COMMENT:MOVE COLLEGE													
OCEAN 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2010 - AUT/9999	1.0-15.0	24.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/02/10													
				COMMENT:CHG DESC													
OCEAN 500	CURRENT PROBS OCEAN Current Problems in Oceanography	SPR/2010 - AUT/9999	1.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/02/13													
				COMMENT:MOVE COLLEGE, 5/13 RETRO MAX													
OCEAN 501	ESTUARINE CIRC/MIX ESTUARINE CIRCULATION AND MIXING	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10													
				COMMENT:MOVE COLLEGE													
OCEAN 502	SPATIAL INFO TECH Spatial Information Technology in Ecosystem Sciences	AUT/2010 - AUT/9999	3.0	OCEAN 502 FISH 502	.
				LAST UPDT: 1/25/10 APPROVED:10/20/09													

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				-ALL U	GRD		U N E	P	N	C	M	S	N	A				S	W
OCEAN 503	GEOSP TL P TTRN ANLYS Geospatial Pattern Analysis and Geostatistics	SPR/2010 - AUT/9999	3.0	OCEAN 503 FISH 503	.	.		
				LAST UPDT: 2/10/10		APPROVED:10/20/09													
OCEAN 506	INTERDISCIPL OCEAN Interdisciplinary Seminar in Oceanography	SPR/2010 - AUT/9999	1.0-03.0	12.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 9/17/96													
				COMMENT:MOVE COLLEGE															
OCEAN 507	PUGET SOUND OCEANOG Puget Sound and Estuarine Oceanography	AUT/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/20/11		APPROVED: 4/19/11													
OCEAN 508	THE CHANGING ARCTIC The Changing Arctic Ocean	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/07/12		APPROVED:10/16/12													
OCEAN 509	SEMINAR Seminar	SPR/2010 - AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/02/13															
				COMMENT:MOVE COLLEGE, 5/13 RETRO MAX															
OCEAN 510	PHYSICS OCEAN CIRC Physics of Ocean Circulation	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 6/28/84													
				COMMENT:MOVE COLLEGE															
OCEAN 511	FLUID DYNAMICS Introduction to Fluid Dynamics	AUT/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	AMATH 505 ATM S 505	.	.
				LAST UPDT: 3/21/16		APPROVED:10/05/92												AMATH 505	
				COMMENT:EMAIL PREQ CHG															
OCEAN 512	GEOPHYS FLUID DYN I Geophysical Fluid Dynamics I	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	OCEAN 512 ATM S 509	.	.
				LAST UPDT: 2/10/10		APPROVED: 6/01/85													
				COMMENT:MOVE COLLEGE															
OCEAN 513	GEOPHY FLUID DYN II Geophysical Fluid Dynamics II	SPR/2010 - AUT/9999	3.0		
				LAST UPDT: 2/10/10		APPROVED: 9/18/85													
				COMMENT:MOVE COLLEGE															

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						-ALL	U		GRD	E	U	N	E	P	&	N				C
OCEAN	552	MG&G DATA ANALYSIS Seminar in Geophysics and Geological Data Analysis	SPR/2010 - AUT/9999		1.0	
						LAST UPDT: 2/10/10		APPROVED: 2/21/95												
COMMENT:MOVE COLLEGE																				
OCEAN	554	PALEOCLIMAT PROXIES Paleoclimate Proxies	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	ATM S 554	ATM S 554	.
						LAST UPDT: 1/11/10		APPROVED:12/16/08					ESS 554							
OCEAN	558	CLIMATE MODELING Climate Modeling	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	ATM S 559	ESS 559	.
						LAST UPDT: 3/21/16		APPROVED: 6/20/07					ATM S 559							
COMMENT:MOVE COLLEGE																				
OCEAN	559	ADV MOR PROCESSES Advanced Seminar on Mid-Ocean Ridge Processes	SPR/2010 - AUT/9999		0.0	9.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 5/25/12														
COMMENT:MOVE COLLEGE																				
OCEAN	560	ATMO/OCEAN INTERACT Atmosphere/Ocean Interactions	SPR/2010 - AUT/9999		3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	ATM S 560	ATM S 560	.
						LAST UPDT: 2/10/10		APPROVED:12/31/96												
COMMENT:MOVE COLLEGE																				
OCEAN	569	TPCS PHYSICAL OCEAN Topics in Physical Oceanography	AUT/2011 - AUT/9999	1.0-04.0	30.0	Y	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/19/11														
COMMENT:CHG MAX CREDITS																				
OCEAN	570	MAR MICRO INTERACTN Marine Microbial Interactions	AUT/2011 - AUT/9999	1.0-03.0	9.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 3/14/11		APPROVED: 9/18/85												
COMMENT:CHG DESC																				
OCEAN	572	MAR PROTIST ECOLOGY Marine Protist Ecology	AUT/2011 - AUT/9999	1.0-03.0	9.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 3/14/11		APPROVED: 9/18/85												
COMMENT:CHG TITLE, DESC																				
OCEAN	578	ADV BIOL OCEAN Advanced Topics in Biological Oceanography	SPR/2010 - AUT/9999		0.0	18.0	Y	
						LAST UPDT: 2/10/10		APPROVED:10/25/84												
COMMENT:MOVE COLLEGE																				

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				-ALL U	GRD		U	GRD	E	U	N	E	P	&				N
BSE 104	PROD & ENRGY RENEWBL Products and Energy from Renewable Resources	AUT/2010 - AUT/9999	5.0
	COMMENT:WAS PSE 104																	
BSE 150	BIORESOURCE SEMINAR Bioresource Science and Engineering Seminar	AUT/2010 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS PSE 450, CHG TL,CRDT, DESC																	
BSE 190	SPECIAL TOPICS Special Topics	SUM/2016 - SUM/2016	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BSE 190	SPECIAL TOPICS Special Topics	AUT/2016 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BSE 201	PULP PAPER &BIOPROD Introduction to Pulp, Paper, and Bioproducts	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS PSE 201																	
BSE 202	PULP & PAPER FIELD Pulp and Paper Lab and Field Studies	WIN/2014 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG FEE																	
BSE 211	CREATIVITY & SOCIETY Creativity and Society	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PERM DL																	
BSE 248	PAPER PROPERTIES Paper Properties	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG																	
BSE 309	CREAT INNOVATION Creativity and Innovation	AUT/2010 - AUT/9999	2.0
	COMMENT:WAS PSE 309																	

LAST UPDT: 11/08/10 APPROVED: 3/29/93
 BSE 309 CHEM E309

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
BSE 391	ENGR PRIN BIOREFINE Engineering Principles of Biorefineries	AUT/2014 - AUT/9999	5.0
				LAST UPDT: 3/19/14		APPROVED: 3/18/14											
BSE 392	BIORESOURCE TRNSPRT Bioresource Transport Phenomena	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/08/15		APPROVED: 3/18/14											
BSE 399	UNDERGRAD INTERNSHIP Undergraduate Internship	AUT/2010 - AUT/9999	1.0-05.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10		APPROVED: 4/28/04											
				COMMENT:WAS PSE 399													
BSE 406	NAT PROD CHEMISTRY Natural Products Chemistry	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/08/15		APPROVED: 3/29/93											
BSE 420	BSE ENGR I Bioresource Engineering I	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/14/11		APPROVED: 3/29/93											
				COMMENT:CHG TTL, CRDTS, HRS													
BSE 421	BSE ENGR 2 Bioresource Engineering II	SPR/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/26/15		APPROVED: 3/29/93											
				COMMENT:EMAIL PREQ CHG													
BSE 422	BIORESOURCE ENGR 3 Bioresource Engineering III	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/17/11		APPROVED: 3/29/93											
				COMMENT:EMAIL PREQ CHG													
BSE 426	BIORESOURCES LAB Bioresource Laboratory	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/06/15		APPROVED: 3/29/93											
				COMMENT:EMAIL PREQ CHG													
				FEE TYPE:1		\$156.00		BUDGET:069393		REV OBJ CD:943081							
BSE 430	PAPERMAKING PROC Papermaking Processes	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/08/15		APPROVED: 3/29/93											
				FEE TYPE:1		\$10.00		BUDGET:069393		REV OBJ CD:943081							

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					-ALL	U		GRD	E	U	N	E	P	&	N			
ESRM 100	ENVIRONMENTAL SCI Introduction to Environmental Science	AUT/2009 -	AUT/9999	5.0	Y	.	Y	Y
COMMENT:CHG COLLEGE					LAST UPDT:10/09/14 APPROVED:11/18/96													
					FEE TYPE:1 \$20.00 BUDGET:063939 REV OBJ CD:943081													
ESRM 101	FORESTS AND SOCIETY Forests and Society	AUT/2009 -	AUT/9999	5.0	.	.	.	. .	Y	.	Y	Y	.	.	.	.	.
COMMENT:CHG COLLEGE					LAST UPDT: 9/19/12 APPROVED: 4/28/04													
					FEE TYPE:1 \$15.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 150	WILDLIFE MOD WORLD Wildlife in the Modern World	AUT/2009 -	AUT/9999	5.0	.	.	.	. .	Y	.	Y	Y	.	.	.	.	.
COMMENT:CHG COLLEGE					LAST UPDT: 9/19/12 APPROVED: 6/12/97													
					FEE TYPE:1 \$20.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 161	INTRO BIOL I INTRODUCTION TO BIOLOGY I	SPR/2010 -	AUT/9999	5.0	.	.	.	. . .		.	Y	.	.	.	.	FISH 161	FISH 161	
COMMENT:CHG JT COLLEGE					LAST UPDT: 2/10/10 APPROVED: 8/19/08													
ESRM 162	INTRO BIOL II INTRODUCTION TO BIOLOGY II	SPR/2010 -	AUT/9999	5.0	.	.	.	. . .		.	Y	.	.	.	.	ESRM 162	FISH 162	
COMMENT:MOVE JT COLLEGE					LAST UPDT: 2/10/10 APPROVED: 8/19/08													
ESRM 190	SPECIAL TOPICS Special Topics	SPR/2012 -	AUT/9999	1.0-05.0	10.0	.	.	. . .		.	Y	.	.	.	.	.	.
COMMENT:3-10-14 REMOVE FEE					LAST UPDT: 7/25/14 APPROVED:12/21/10													
ESRM 200	SOC & ENVIRONMENTS Society and Sustainable Environments	AUT/2009 -	AUT/9999	5.0	.	.	.	. .	Y	.	Y	Y	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 7/23/15 APPROVED: 4/28/04													
					FEE TYPE:1 \$30.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 201	PAC NW ECOSYSTEMS Sustaining Pacific Northwest Ecosystems	AUT/2009 -	AUT/9999	5.0	.	.	.	. .	Y	.	Y	Y	.	.	.	.	.
COMMENT:MOVE COLLEGE					LAST UPDT: 7/23/15 APPROVED: 4/28/04													
					FEE TYPE:1 \$75.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 210	SOILS Introductory Soils	AUT/2011 -	AUT/9999	5.0	.	.	.	. .	Y	.	Y	Y	.	.	.	.	.
COMMENT:CHG CREDITS					LAST UPDT: 2/11/13 APPROVED:11/20/86													
					FEE TYPE:1 \$23.00 BUDGET:069393 REV OBJ CD:943081													

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				-ALL	U	GRD	E	U	N	E	P	&	N	C	M			
SEFS 525	ADV WILDLAND HYDROL Advanced Wildland Hydrology	WIN/2014 - AUT/9999	4.0	Y
	COMMENT:CHG FEE			LAST UPDT:11/04/13				APPROVED:11/18/88				FEE TYPE:1 \$46.00 BUDGET:069393 REV OBJ CD:943081						
SEFS 526	ADV SILVICULTURE SEM Seminar in Advanced Silviculture	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 526			LAST UPDT:12/14/11				APPROVED: 3/29/06										
SEFS 527	ECOSYSTEMS SEMINAR Ecosystems Seminar	AUT/2012 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 527			LAST UPDT:12/14/11				APPROVED:10/22/87										
SEFS 528	INTNL FORESTRY International Forestry	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 528			LAST UPDT: 7/25/14														
SEFS 529	SEFS SEMINAR School of Environmental and Forest Sciences Seminar	AUT/2013 - AUT/9999	1.0	6.0	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:DROP JT STATUS, CHG TTL, DESC			LAST UPDT: 8/21/13				APPROVED: 9/22/97										
SEFS 530	INTRO REST ECOL Introduction to Restoration Ecology	AUT/2015 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/18/15				APPROVED: 3/17/15										
SEFS 533	AIRBORNE LIDAR Airborne Lidar for Remote Sensing of Vegetation and Geomorphology	SPR/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/01/16				APPROVED: 1/19/16										
SEFS 535	FIRE ECOLOGY Fire Ecology	AUT/2013 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, 3/14 FEE			LAST UPDT: 3/14/14				APPROVED: 5/25/05				FEE TYPE:1 \$126.00 BUDGET:069393 REV OBJ CD:943081						
SEFS 540	OPTIMIZATION TECH Optimization Techniques for Natural Resources	AUT/2012 - AUT/9999	5.0
	COMMENT:WAS CRF 540			LAST UPDT:12/14/11				APPROVED: 2/15/11										

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				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D				HYPH
SEFS 571	RES POL ADMIN Resource Policy and Administration	AUT/2014 - SUM/2016	4.0	SEFS 571	PB AF 592	.
	COMMENT:CHG CREDITS			LAST UPDT:11/03/15 APPROVED: 9/18/85													
SEFS 571	RES POL ADMIN Resource Policy and Administration	AUT/2016 - AUT/9999	4.0	SEFS 571	PUBPOL592	.
				LAST UPDT:11/03/15 APPROVED: 9/18/85													
SEFS 573	ENV RES PLAN FOREST ENVIRONMENTAL RESOURCE PLANNING	AUT/2012 - AUT/9999	3.0
	COMMENT:WAS CFR 573			LAST UPDT:12/14/11													
SEFS 574	ECOLOGICAL ENG Restoration Problem Solving: Ecological Engineering	AUT/2014 - AUT/9999	5.0
	COMMENT:400-500			LAST UPDT: 2/19/14 APPROVED: 2/18/14													
SEFS 580	ADV URBAN ECOLOGY Advanced Urban Ecology	AUT/2014 - AUT/9999	5.0	SEFS 580	URBDP 548	.
	COMMENT:14-16 CHG JT STATUS			LAST UPDT: 8/18/14 APPROVED:12/21/01													
SEFS 590	GRADUATE STUDIES Graduate Studies	AUT/2012 - AUT/9999	1.0-05.0	10.0
	COMMENT:WAS CFR 590			LAST UPDT: 9/19/12 APPROVED: 3/29/93 FEE TYPE:1 \$432.00 BUDGET:069393 REV OBJ CD:943081													
SEFS 591	SM IN RSRCE POL MGT Seminar in Resource Policy and Management	AUT/2012 - SUM/2016	1.0	PB AF 591	PB AF 591	.
	COMMENT:WAS CFR 591			LAST UPDT:11/03/15 APPROVED: 2/25/00													
SEFS 591	SM IN RSRCE POL MGT Seminar in Resource Policy and Management	AUT/2016 - AUT/9999	1.0	PUBPOL591	PUBPOL591	.
				LAST UPDT:11/03/15 APPROVED: 2/25/00													
SEFS 592	ENV POLICY PROCESS Environmental Policy Processes	AUT/2012 - SUM/2016	3.0-04.0	PB AF 590	PB AF 590	.
	COMMENT:WAS CFR 592			LAST UPDT:11/03/15 APPROVED: 7/01/91													

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COLLEGE : D - Environment
 DEPARTMENT: ENVIR & FOREST 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			
SEFS 592	ENV POLICY PROCESS Environmental Policy Processes	AUT/2016	- AUT/9999	3.0-04.0	PUBPOL590	PUBPOL590	.
					LAST UPDT:11/03/15 APPROVED: 7/01/91													
SEFS 595	TEACHING PRACTICUM Graduate Teaching Practicum	AUT/2012	- AUT/9999	1.0-05.0	5.0	.	CR/NC
					LAST UPDT:12/14/11 APPROVED: 5/25/05													
					COMMENT:WAS CFR 595													
SEFS 600	INDEPNONT STDY/RSCH Independent Study or Research	AUT/2012	- AUT/9999	0.0	999.0	.	.	11
					LAST UPDT:12/14/11 APPROVED: 3/29/93													
					COMMENT:WAS CFR 600													
SEFS 601	INTERNSHIP Internship	AUT/2012	- AUT/9999	3.0-09.0	9.0	.	CR/NC
					LAST UPDT: 7/05/12 APPROVED: 5/25/05													
					COMMENT:WAS CFR 601, UPDATE TITLES													
SEFS 700	MASTERS THESIS Master's Thesis	AUT/2012	- AUT/9999	0.0	999.0	.	.	11
					LAST UPDT:12/14/11 APPROVED: 3/29/93													
					COMMENT:WAS CFR 700													
SEFS 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/2012	- AUT/9999	0.0	999.0	.	.	11
					LAST UPDT:12/14/11 APPROVED: 3/29/93													
					COMMENT:WAS CFR 800													

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COLLEGE : D - Environment
 DEPARTMENT: MARINE & ENVIR AFFAIRS

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W											RESPONS COURSE	JOINT COURSES	O M I T		
				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D	HYPH				M	R	E
SMEA 570	THESIS PRESENTATION Thesis Presentation	WIN/2012 - AUT/9999	1.0	.	CR/NC
COMMENT:WAS SMA 570				LAST UPDT: 9/07/11 APPROVED: 2/25/02															
SMEA 571	NON-THESIS SEMINAR Non-Thesis Seminar	SPR/2012 - AUT/9999	1.0	.	CR/NC
COMMENT:WAS SMA 570				LAST UPDT: 2/29/12 APPROVED: 2/28/12															
SMEA 581	CASE STUDY METHODS Case Study Research: Design and Methods	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	SMEA 581 FISH 581	.	.
COMMENT:CHG TITLES, DESC				LAST UPDT: 7/23/15 APPROVED:12/07/89															
SMEA 582	FISH MGMT CONTEMP FISHERY MANAGEMENT:CONTEMPORARY ISSUES	WIN/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	SMEA 582 FISH 582	.	.
COMMENT:WAS SMA 582				LAST UPDT: 9/07/11 APPROVED:12/07/89															
SMEA 585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	ATM S 585 ATM S 585	.	.
COMMENT:WAS SMA 585				LAST UPDT: 9/07/11 APPROVED: 1/30/03															
SMEA 591	MS IN COASTAL ZONE Marine Science in the Coastal Zone	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	SMEA 591 OCEAN 591	.	.
COMMENT:WAS SMA 591				LAST UPDT: 7/23/15 APPROVED:10/01/80															
SMEA 600	INDEPN DNT STDY/RSCH Independent Study or Research	WIN/2012 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS SMA 600				LAST UPDT: 9/07/11 APPROVED: 6/28/73															
SMEA 650	MAR&ENVIR CAPSTONE Marine and Environmental Affairs Capstone Project	AUT/2016 - AUT/9999	4.0-05.0	9.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS SMA 650				LAST UPDT: 1/25/16 APPROVED: 1/19/16															
SMEA 700	MASTERS THESIS Master's Thesis	WIN/2012 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS SMA 700				LAST UPDT: 9/07/11 APPROVED: 9/21/78															