



DATE: 07-06-2020  
 TIME: 20:10:05

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM  
 DETAILED CURRICULUM REPORT  
 Seattle CAMPUS

REPORT: SR21010-R-01 K  
 PAGE: 985

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			
FISH 270	AQUATIC ECOPHYSLGY Aquatic Ecophysiology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	FISH 270 OCEAN 270	.	
				LAST UPDT: 4/25/18		APPROVED: 12/16/14					MARBIO 270						
FISH 274	INTRO DATA ANALYSIS Introduction to Data Analysis for Aquatic Sciences	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		.	
				LAST UPDT: 4/10/19		APPROVED: 2/19/19											
FISH 290	SCI WRITING & COMM Scientific Writing and Communication	AUT/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		.	
				LAST UPDT: 1/10/19		APPROVED: 3/19/13											
FISH 296	STUDY ABROAD Study Abroad: Aquatic and Fishery Sciences	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	.	Y	.	.	.		.	
				LAST UPDT: 2/10/10		APPROVED: 1/31/05											
				COMMENT: MOVE COLLEGE													
FISH 300	EXPLORE OPPS MARINE Exploring Opportunities in Marine Science	AUT/2018 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	OCEAN 300 MARBIO300	.	
				LAST UPDT: 4/25/18		APPROVED: 2/18/14					OCEAN 300						
FISH 310	BIOL OF SHELLFISHES Biology of Shellfishes	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.		.	
				LAST UPDT: 7/12/12		APPROVED: 9/14/89											
				COMMENT: 12-14 DESC CHG													
FISH 311	BIOLOGY OF FISHES Biology of Fishes	AUT/2012 - AUT/9999	3.0-05.0	5.0	.	.	.	Y	.	Y	.	.	.	FISH 311 BIOL 311	.		
				LAST UPDT: 2/11/13		FEE TYPE:1 \$50.00 BUDGET:029357 REV OBJ CD:943081											
				COMMENT: 12-14 DESC CHG													
FISH 312	FISHERIES ECOLOGY Fisheries Ecology	SPR/2020 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	Y	.	.	.		.		
				LAST UPDT: 2/20/20		APPROVED: 9/14/89											
				FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081													
FISH 323	CONS & MGT AQUA RES Conservation and Management of Aquatic Resources	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.		.		
				LAST UPDT: 7/12/12													
				COMMENT: 12-14 DESC CHG													
FISH 324	AQUATIC PHYSIOLOGY Aquatic Animal Physiology and Reproduction	WIN/2019 - AUT/9999	3.0-05.0	5.0	.	.	.	Y	.	Y	.	.	.		.		
				LAST UPDT: 11/14/18		APPROVED: 3/29/93											
				FEE TYPE:1 \$50.00 BUDGET:069602 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 C M S N	E C Q T						
FISH 328	FOR-FISH INTERACT Forestry-Fisheries Interactions	SPR/2010 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	ESRM 328	ESRM 328	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 6/25/15 APPROVED: 2/23/89 FEE TYPE:1 \$48.00 BUDGET:069393 REV OBJ CD:943081													
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	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 370	OCEAN 370	.	
MARBIO 370																	
COMMENT:MOVE COLLEGE				LAST UPDT: 4/25/18 APPROVED:12/16/14													
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 406	PARASITE ECOLOGY Parasite Ecology	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 6/19/17 APPROVED: 6/06/17													
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													

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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							
FISH 423	AQUA INVASION ECOL Aquatic Invasion Ecology	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	Y .	.	.	.	.		
					LAST UPDT:		2/10/10		APPROVED:				9/20/07							
					COMMENT:MOVE COLLEGE															
FISH 424	BIOL CULT AQ ORG Biology and Culture of Aquatic Organisms	SPR/2010 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	Y .	.	.	.	.	.		
					LAST UPDT:		2/10/10		APPROVED:				10/27/05							
					COMMENT:MOVE COLLEGE															
FISH 427	TROPICAL MAR BIOL Tropical Marine Biology	WIN/2019 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	Y .	.	.	.	.	.		
					LAST UPDT:		11/16/18		APPROVED:				11/13/18							
FISH 428	STREAM RESTORATION Stream and Watershed Restoration	SPR/2010 -	AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.		
					LAST UPDT:		7/17/15		APPROVED:				11/18/96							
					COMMENT:MOVE COLLEGE													FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081		
FISH 437	FISH OCEANOGRAPHY Fisheries Oceanography	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
					LAST UPDT:		7/25/14		APPROVED:				10/30/07							
					COMMENT:14-16 RECOMMENDED CHG															
FISH 441	ENVIR PHYSIOLOGY Integrative Environmental Physiology	SPR/2010 -	AUT/9999	3.0-05.0	5.0	.	.	.	.	.	.	.	Y .	.	.	.	.	.		
					LAST UPDT:		5/25/12		APPROVED:				9/16/08							
					COMMENT:MOVE COLLEGE															
FISH 444	CONSERVATION GENET Conservation Genetics	AUT/2012 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	Y .	.	.	.	.	.		
					LAST UPDT:		1/31/13		APPROVED:				6/03/71							
					COMMENT:12-14 DESC CHG, RECOMMENDED															
FISH 447	WATERSHED ECOL Watershed Ecology and Management	SPR/2017 -	AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.		
					LAST UPDT:		3/03/17		APPROVED:				6/21/99				FISH 447 ESRM 447 .			
					COMMENT:MOVE COLLEGE													FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081		
FISH 448	WATERSHED ECOL LAB Watershed Ecology and Management Lab	SPR/2017 -	AUT/9999	2.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.		
					LAST UPDT:		12/07/17		APPROVED:				2/21/17				FISH 448 ESRM 448 .			
					COMMENT:MOVE COLLEGE													FEE TYPE:1 \$70.00 BUDGET:069602 REV OBJ CD:943081		



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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	M	R	E	A	S	W	T
FISH 475	MARINE MAMMALOGY Marine Mammalogy	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/14/11 APPROVED: 9/22/10																				
FISH 478	SUSTAINABLE FISH Topics in Sustainable Fisheries	SPR/2010 - AUT/9999	3.0	9.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED:11/30/00																				
FISH 479	MARINE BIO RESEARCH Research in Marine Biology	AUT/2018 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/25/18 APPROVED:10/21/08 FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081																				
FISH 480	HUMAN DIM FISH MGMT Human Dimensions of Fishery Management	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/07/11 APPROVED: 5/01/89																				
				COMMENT:CHG JT STATUS																				
FISH 489	PEER TEACING AFS Peer Teaching Assistants in Aquatic and Fishery Sciences	SPR/2013 - AUT/9999	1.0-05.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/21/13 APPROVED: 3/19/13																				
FISH 490	AQUATIC MICROBIOL Aquatic Microbiology	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/05/14																				
				COMMENT:MOVE COLLEGE																				
FISH 491	RESEARCH IN ALASKA Aquatic Ecological Research in Alaska	SPR/2010 - AUT/9999	12.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15 APPROVED: 2/21/01 FEE TYPE:1 \$300.00 BUDGET:069602 REV OBJ CD:943081																				
				COMMENT:MOVE COLLEGE																				
FISH 492	MAR BIRD MAMM Ecology and Conservation of Marine Birds and Mammals	AUT/2018 - AUT/9999	9.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/04/19 APPROVED:12/16/14 FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081																				
				COMMENT:MOVE COLLEGE																				

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
FISH 493	CAPSTONE 1 PROPOSAL Capstone 1: Proposal	AUT/2017 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/17/17		APPROVED: 2/19/08											
FISH 494	CAPSTONE 2 RESEARCH Capstone 2: Research	SPR/2018 - AUT/9999	3.0	.	.	12	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/16/18		APPROVED: 2/21/01											
FISH 495	CAPSTONE 3 SYNTHESIS Capstone 3: Research Synthesis	SPR/2018 - AUT/9999	3.0	.	.	22	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/25/17		APPROVED: 11/29/95											
FISH 496	ADV STUDY ABROAD Study Abroad: Aquatic and Fishery Sciences	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 1/31/05											
				COMMENT: MOVE COLLEGE													
FISH 497	SPEC TOPICS AFS Special Topics in Aquatic and Fishery Sciences	SPR/2010 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 3/10/14		APPROVED: 11/29/95											
				COMMENT: MOVE COLLEGE, 3-10-14 RMV FEE													
FISH 498	INTERNSHIP Internship/Experiential Learning	SPR/2010 - AUT/9999	1.0-15.0	15.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 1/28/88											
				COMMENT: MOVE COLLEGE													
FISH 499	UNDERGRAD RESEARCH Undergraduate Research	SPR/2010 - AUT/9999	1.0-15.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10													
				COMMENT: MOVE COLLEGE													
FISH 502	MARINE GIS Marine Geospatial Information Science	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	OCEAN 502	OCEAN 502
				LAST UPDT: 4/25/17		APPROVED: 10/20/09											
FISH 507	TOPICS FISHERIES Special Topics in Fisheries	SPR/2010 - AUT/9999	1.0-15.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10													
				COMMENT: MOVE COLLEGE													
FISH 510	TOPICS: GENET & PHYS Current Topics in Genetics and Physiology	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/12/12		APPROVED: 8/16/99											
				COMMENT: 12-14 DESC CHG													





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				-ALL U	GRD		E	U N E	M R E	P & A	N S	C W	M T	S P			
FISH 531	AQUATIC FOOD WEBS Aquatic Food Web Processes	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 1/19/10											
FISH 537	FISH OCEANOGRAPHY Fisheries Oceanography	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/25/14		APPROVED: 10/30/07											
				COMMENT: MOVE COLLEGE													
FISH 538	FISH ACOUSTICS Fisheries Acoustics	AUT/2013 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/13		APPROVED: 4/16/13											
FISH 539	US FISH MGT POL U.S. Fisheries Management and Policy	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	SMEA 539	SMEA 539	.	.
				LAST UPDT: 7/23/15		APPROVED: 9/17/13											
FISH 541	ENVIR PHYSIOLOGY Integrative Environmental Physiology	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/25/12		APPROVED: 9/16/08											
				COMMENT: MOVE COLLEGE													
FISH 545	APPL POP GENETICS Applied Population Genetics	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 8/19/08											
				COMMENT: MOVE COLLEGE													
FISH 546	BIOINFORMATICS Bioinformatics for Environmental Sciences	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 10/20/09											
FISH 547	RIVER ECOL & MNGMT River Ecology and Watershed Management	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/25/14		APPROVED: 10/27/89											
				COMMENT: 14-16 DESC CHG													
FISH 552	INTRO R PROGRAMMING Introduction to R Programming for Natural Scientists	AUT/2011 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/17/12		APPROVED: 5/17/11											
FISH 553	ADV R PROGRAMMING Advanced R Programming for Natural Scientists	AUT/2013 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/22/13		APPROVED: 5/17/11											
				COMMENT: CHG CREDITS													

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				-ALL U	GRD		U	E	U	N	E	P	& N	C			
FISH 554	GRAPHICS IN R Beautiful Graphics in R	WIN/2014 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/06/13		APPROVED: 6/04/13											
FISH 555	AGE STRUCTURED MODEL Age-Structured Models in Fisheries Stock Assessment	SPR/2019 - SPR/2025	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/29/19		APPROVED: 1/22/19											
FISH 556	SPATIAL MODELING Spatio-temporal Models for Ecologists	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/08/18		APPROVED: 12/19/17											
FISH 557	EST POP PARAMETERS Estimation of Population Parameters	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT: MOVE COLLEGE			LAST UPDT: 2/10/10													
FISH 558	DECISION ANALYSIS Decision Analysis in Natural Resource Management	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT: MOVE COLLEGE			LAST UPDT: 2/10/10													
FISH 559	NATURAL RES COMPUTE Numerical Computing for the Natural Resources	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT: MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 3/17/09											
FISH 560	MULTIVARIATE STATS Applied Multivariate Statistics for Ecologists	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT: MOVE COLLEGE			LAST UPDT: 2/10/10		APPROVED: 8/23/07											
FISH 561	RES ECON MGMT PLCY Resource Economics for Management and Policy	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 12/29/14		APPROVED: 12/16/14											
FISH 562	ECOSYS BSD MGT Ecosystem Based Fisheries Management	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/18/15		APPROVED: 2/18/15											
FISH 563	ECOSYS BSD MGT LAB Ecosystem Based Fisheries Management Laboratory	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/18/15		APPROVED: 2/18/15											



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COLLEGE : D - Environment  
 DEPARTMENT: ATMOSPHERIC

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 N E	P	N	C	M	S	N				
ATM S 100	CLIMATE SOLUTIONS Climate, Justice, and Energy Solutions	AUT/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/20/20		APPROVED: 2/18/20											
ATM S 101	WEATHER Weather	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/16/13													
				COMMENT:END DL													
ATM S 103	HURRICANE SCIENCE Hurricanes and Thunderstorms: Their Science and Impact	SPR/2014 - WIN/2021	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/05/20		APPROVED: 11/19/13											
ATM S 103	HURRICANE&THUNDRSTRM Hurricanes and Thunderstorms: Their Science and Impact	SPR/2021 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/05/20		APPROVED: 11/19/13											
ATM S 111	GLOBAL WARMING Global Warming: Understanding the Issues	AUT/2012 - SUM/2020	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/22/20		APPROVED: 1/15/08											
				COMMENT:ADD AOK													
ATM S 111	GLOBAL WARMING Global Warming: Understanding the Issues	AUT/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/22/20		APPROVED: 1/15/08											
ATM S 211	CLIMATE CHANGE Climate and Climate Change	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 12/19/18		APPROVED: 6/30/95											
ATM S 212	AIR POLLUTION Air Pollution: From Urban Smog to the Ozone Hole	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/05/15		APPROVED: 3/19/13											





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 DEPARTMENT: ATMOSPHERIC

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				-ALL U MAX	GRD P	D E		P & A	L I	E C			
ATM S 475	CLMT SCI RSRCH SMNR Current Research in Climate Science Seminar	AUT/2011 - AUT/9999	3.0	6.0	.	.	.	.	.	.	OCEAN 475 ESS	475	.
				LAST UPDT: 3/22/16		APPROVED: 1/18/11						OCEAN 475	
ATM S 480	AIR QLTY MODELING Air-Quality Modeling	AUT/2015 - AUT/9999	3.0	.	.	.	Y	.	Y	.	CEE 480 CEE	480	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 3/23/16		APPROVED:12/01/99		FEE TYPE:1		\$50.00 BUDGET:069644 REV OBJ CD:943081			
ATM S 487	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.			.
				LAST UPDT: 4/16/13		APPROVED: 3/16/13							
ATM S 490	WEATHER ANALYSIS Current Weather Analysis	AUT/2009 - AUT/9999	1.0	6.0	.	CR/NC	.	.	.	Y			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09		APPROVED:10/28/02							
ATM S 492	METEOR/CLMTLGY READ Readings in Meteorology or Climatology	AUT/2009 - AUT/9999	0.0	15.0	.	CR/NC	.	.	.	.			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09									
ATM S 493	MTR/CLMTL SPEC PROB SPEC PROBLMS IN METEOROLOGY/CLIMATOLOGY	AUT/2009 - AUT/9999	0.0	.	CR/NC	.	.	.	.	Y			.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09									
ATM S 495	EARTHGAMES STUDIO EarthGames Studio	WIN/2017 - AUT/9999	2.0-06.0	15.0	.	CR/NC	.	.	.	.			.
				LAST UPDT:10/06/16		APPROVED: 9/20/16							
ATM S 497	INTERNSHIP Undergraduate Internship	SPR/2014 - AUT/9999	1.0-05.0	30.0	.	CR/NC	.	.	.	.			.
				LAST UPDT:11/20/13		APPROVED:11/19/13							
ATM S 498	SYNTHESIS & COM - H HONORS SYNTHESIS AND COMMUNICATION	SPR/2018 - AUT/9999	1.0-05.0	6.0	.	.	.	.	.	.			.
				LAST UPDT: 2/08/18		APPROVED:12/19/17							
ATM S 499	UNDERGRAD RESEARCH Undergraduate Independent Research	SPR/2014 - AUT/9999	1.0-05.0	30.0	.	CR/NC	.	.	.	.			.
				LAST UPDT:11/20/13		APPROVED:11/19/13							











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COLLEGE : D - Environment  
 DEPARTMENT: ATMOSPHERIC

CURRIC	NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
						-ALL	U		GRD	E	U	N	E	P	&	N			
ATM S	564	ATMOSPHERIC AEROSOL Atmospheric Aerosol and Multiphase Atmospheric Chemistry	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																	
ATM S	565	ATMS CHEM MODELING Atmospheric Chemistry Modeling	AUT/2018 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																	
ATM S	571	ADV PHYSICAL CLIMAT Advanced Physical Climatology	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																	
ATM S	575	LS DYNAM-TROP ATMOS Large Scale Dynamics of the Tropical Atmosphere	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:CHG GRADING																	
ATM S	581	TIME DEPNDT PROBS Numerical Analysis of Time Dependent Problems	SPR/2014 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	AMATH 586	MATH 586	.
		COMMENT:EMAIL PREQ CHG															AMATH 586		
ATM S	582	ADV NUMERICAL MODEL Advanced Numerical Modeling of Geophysical Flows	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		COMMENT:MOVE COLLEGE																	
ATM S	585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	ATM S 585	ENVIR 585	.
		COMMENT:CHG JT STATUS															ESS 585	SMEA 585	
ATM S	586	CLIMATE SEMINAR Current Research in Climate Change	SPR/2010 -	AUT/9999	2.0	20.0	.	CR/NC	.	.	.	.	.	.	.	.	ESS 586	ESS 586	.
		COMMENT:MOVE JT COLLEGE															OCEAN 586		
ATM S	587	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ESS 587	OCEAN 587	.
		COMMENT:CHG TITLES, DESC															ESS 587		



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 DEPARTMENT: ENVIRONMENT

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						
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 401	FIELDNOTES FieldNotes - An Undergraduate Journal	SPR/2020 - AUT/9999	2.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/23/20		APPROVED: 1/21/20											
C ENV 410	MESA TUTOR WRKSHP 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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DEPARTMENT: PROG ON THE ENVIRON

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	N	E	P	&	N	C	M				S
ENVIR 100	INTRO ENV STUDIES Introduction to Environmental Studies	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 2/20/20		APPROVED: 1/25/06												
ENVIR 101	ORIENTATION TO ENVIR Orientation to Environmental Studies	SPR/2020 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/23/20		APPROVED: 1/21/20												
ENVIR 102	IB ENVIR SYS & SOC International Baccalaureate (IB) Environmental Systems & Societies	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 1/22/20		APPROVED: 1/21/20												
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 110	FOOD & ENVIRONMENT Introduction to Food and the Environment	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.	.
				LAST UPDT: 5/04/17		APPROVED: 4/18/17												
ENVIR 200	ENVIR COMMUNICATION Communication for Environmental Studies	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.	.
				LAST UPDT: 3/10/20		APPROVED: 3/29/06												
ENVIR 201	CLIMATE GOVERNANCE Climate Governance: How Individuals, Communities, NGOs, Firms, and Governments Can Solve the Climate Crisis	AUT/2020 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	SMEA 201 SMEA 201	.	.
				LAST UPDT: 3/24/20		APPROVED: 2/18/20												
ENVIR 210	INTRO ENVIR MODEL Introduction to Environmental Modeling	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	Y	.	Q SCI 210 Q SCI 210	.	.	
				LAST UPDT: 9/18/18		APPROVED:12/30/86												
ENVIR 211	ENVIR JUSTICE Environmental Justice	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	ANTH 211 AES 211	.	.	
				LAST UPDT: 6/21/17		APPROVED: 9/15/09								ANTH 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														





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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
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 308	AMER INDIAN & ENVIRO American Indians and the Environment	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	HSTAA 308 AIS	308	.
				LAST UPDT: 9/21/17		APPROVED: 9/19/17											
ENVIR 313	ENVIR EARTH SCI Environmental Earth Science	SUM/2020 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	ESS 315 ESS	315	.	
				LAST UPDT: 1/07/20		APPROVED: 3/01/76											
				FEE TYPE:1		\$20.00 BUDGET:068353		REV OBJ CD:943081									
ENVIR 320	CHANGING RIVERS Changing Rivers of Puget Sound	SPR/2011 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	ESS 320 ESS	320	.	
				LAST UPDT: 8/05/14		APPROVED:12/21/10											
				COMMENT:PENDING		FEE TYPE:1		\$30.00 BUDGET:069340									
								REV OBJ CD:943081									
ENVIR 330	CLIMATE CHG MAR ECO Climate Change Impacts on Marine Ecosystems	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 330 FISH	330	.	
				LAST UPDT: 2/10/10		APPROVED: 1/15/08											
				COMMENT:MOVE JT COLLEGE													
ENVIR 341	ENERGY & ENVIRON Energy and Environment	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	CHEM E341 M E	341	.	
				LAST UPDT: 2/19/14		APPROVED: 1/24/94											
				COMMENT:CHG RESP DEPT													
ENVIR 350	INTERNSHIP Internship	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 7/12/12		APPROVED:12/30/98											
				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	.	
				LAST UPDT:12/15/11		APPROVED: 8/24/05											
				COMMENT:CHG JT STATUS													
ENVIR 362	INTRO REST ECOL Introduction to Restoration Ecology	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	ESRM 362 ESRM	362	.	
				LAST UPDT: 7/23/15		APPROVED: 1/31/01											
				COMMENT:MOVE COLLEGE		FEE TYPE:1		\$25.00 BUDGET:069393									
								REV OBJ CD:943081									

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					-ALL	U		GRD	E	U	N	E	P	&	N				C	M
ENVIR 371	ANTH OF DEVELOP Anthropology of Development	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	ANTH 371	ANTH 371	.		
					LAST UPDT: 8/12/09 APPROVED: 2/25/00															
COMMENT:MOVE COLLEGE																				
ENVIR 379	ENVIRON SOCIOLOGY Environmental Sociology	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	ESRM 371	ESRM 371	.			
					LAST UPDT: 8/12/09 APPROVED:11/01/86													SOC 379		
COMMENT:MOVE COLLEGE																				
ENVIR 384	GLOBAL ENV POLITICS Global Environmental Politics	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	POL S 384	POL S 384	.			
					LAST UPDT: 8/12/09 APPROVED:10/27/05															
COMMENT:MOVE COLLEGE																				
ENVIR 385	WORLD FOOD POLITICS Political Ecology of the World Food System	AUT/2017 -	SUM/2020	5.0	.	.	.	.	.	.	.	.	.	.	POL S 385	POL S 385	.			
					LAST UPDT: 7/19/19 APPROVED: 1/15/13															
ENVIR 385	WORLD FOOD POLITICS Political Ecology of the World Food System	AUT/2020 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	POL S 385	POL S 385	.			
					LAST UPDT: 7/19/19 APPROVED: 1/15/13															
COMMENT:MOVE COLLEGE																				
ENVIR 400	PROFESSIONAL ENV COM Professional Environmental Communication	WIN/2021 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.			.			
					LAST UPDT: 6/08/20 APPROVED: 6/02/20															
COMMENT:MOVE COLLEGE																				
ENVIR 410	RESOURCE ECOSYSTEMS Growing Stuff: Ecology, Economy, and Culture of Resource-Production Ecosystems	WIN/2017 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	ANTH 410	ESRM 405	.			
					LAST UPDT: 4/04/19 APPROVED: 6/03/14													ANTH 410		
					FEE TYPE:1 \$37.00 BUDGET:069643 REV OBJ CD:943081															
COMMENT:MOVE COLLEGE																				
ENVIR 415	DESIGN FOR ENVIR Sustainability and Design for Environment	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	M E 415	CEE 495	.			
					LAST UPDT: 8/12/09 APPROVED: 5/21/01													M E 415		
COMMENT:MOVE COLLEGE																				
ENVIR 416	ETHICS/CLIM CHANGE Ethics and Climate Change	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	PHIL 416	PHIL 416	.			
					LAST UPDT: 8/12/09 APPROVED: 6/13/06															
COMMENT:MOVE COLLEGE																				

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				-ALL U	GRD		U	N	E	P & A	N C	M S	N				
ENVIR 417	ENVIRONMENTAL PHIL Advanced Topics in Environmental Philosophy	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	PHIL 417	PHIL 417	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09		APPROVED:10/25/06											
ENVIR 418	COM & ENVIRONMENT Communication and the Environment	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	COM 418	COM 418	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 8/19/15		APPROVED: 9/28/98											
ENVIR 431	ECOPSYCHOLOGY Ecopsychology	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	ENVIR 431	PSYCH 431	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 7/23/15		APPROVED: 6/02/15											
ENVIR 433	ENVIR DEGRAD TROPIC Environmental Degradation in the Tropics	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	JSIS B433	JSIS B433	.	
COMMENT:CHG JT STATUS				LAST UPDT:11/14/13		APPROVED:10/29/03											
ENVIR 439	SUSTAINABLE SOCIETY Attaining a Sustainable Society	WIN/2014 - AUT/2020	3.0	.	.	.	.	.	.	Y	Y	.	.			.	
COMMENT:DROP JT STATUS, CHG CREDITS				LAST UPDT: 6/08/20		APPROVED: 6/21/99											
ENVIR 439	SUSTAINABLE SOCIETY Attaining a Sustainable Society	WIN/2021 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.			.	
COMMENT:DROP JT STATUS, CHG CREDITS				LAST UPDT: 6/08/20		APPROVED: 6/21/99											
ENVIR 440	ENVIR PEDADGOY Environmental Pedagogy	AUT/2014 - AUT/9999	3.0	.	.	.	.	Y	.	Y	Y	.	.			.	
COMMENT:DROP JT STATUS, CHG CREDITS				LAST UPDT: 4/29/19		APPROVED: 6/03/14											
FEE TYPE:1 \$13.00 BUDGET:069240 REV OBJ CD:943081																	
ENVIR 451	COMPAR ECOL TROPICS COMPARATIVE HISTORICAL AND SOCIAL ECOLOGY OF THE T	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	ANTH 451	ANTH 451	.	
COMMENT:MOVE COLLEGE				LAST UPDT:12/11/12		APPROVED: 2/25/00											
ENVIR 459	CLTR ECOL & POLITICS Culture, Ecology, and Politics	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	ANTH 459	ANTH 459	.	
COMMENT:MOVE COLLEGE				LAST UPDT: 2/19/15		APPROVED: 6/21/99											

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COLLEGE : D - Environment  
 DEPARTMENT: PROG ON THE ENVIRON

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 N E	P	& N	C	M	S	N				
ENVIR 460	PWR PRIV & PRSERV Power, Privilege, and Preservation	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	ENVIR 460 ESRM 460	.	
				LAST UPDT: 9/16/15		APPROVED: 4/15/18											
ENVIR 475	ENV IMPACT SML SOC ENVIRONMENTAL IMPACTS OF SMALL SCALE SOCIETIES	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	BIO A 475 BIO A 475	.	
				LAST UPDT: 7/25/14		APPROVED: 2/25/02											
				COMMENT:MOVE COLLEGE													
ENVIR 476	INTRO ENVIR LAW Introduction to Environmental Law and Process	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	SMEA 476 SMEA 476	.	
				LAST UPDT: 9/07/11		APPROVED: 3/31/03											
				COMMENT:CHG JT STATUS													
ENVIR 478	SUSTAINABLE FISH Topics in Sustainable Fisheries	SPR/2010 - AUT/9999	3.0	9.0	.	.	.	.	.	Y	Y	.	.	.	FISH 478 BIOL 478	.	
				LAST UPDT: 2/10/10		APPROVED:11/30/00											
				COMMENT:MOVE JT COLLEGE													
ENVIR 480	SUSTNABILITY STUDIO Sustainability Studio	AUT/2012 - AUT/9999	5.0	10.0	.	.	.	.	.	.	.	.	.	.		.	
				LAST UPDT: 7/12/12		APPROVED:11/17/09											
				COMMENT:12-14 TITLE, DESC CHG													
ENVIR 485	EVN PLAN&PERMITTING Environmental Planning and Permitting in Practice	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	ENVIR 485 ESRM 485	.	
				LAST UPDT: 4/09/19		APPROVED: 6/03/14											
ENVIR 489	PEER TEACHING ENVIR Peer Teaching Assistants in Environmental Studies	SUM/2013 - AUT/9999	1.0-05.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.		.	
				LAST UPDT: 4/16/13		APPROVED: 4/16/13											
ENVIR 490	CAPSTONE PREP Capstone Preparation	WIN/2016 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.		.	
				LAST UPDT:10/22/15		APPROVED: 2/22/99											
ENVIR 491	CAPSTONE INTERNSHIP Environmental Studies Capstone: Internship and Research	WIN/2016 - AUT/9999	1.0-12.0	12.0	.	.	12	.	.	.	.	.	.	.		.	
				LAST UPDT:10/22/15		APPROVED: 2/22/99											
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											

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 DEPARTMENT: PROG ON THE ENVIRON

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				-ALL	U		GRD	E	U		N	E	P	&	N				C
ENVIR 495	ADVANCED TOPICS Advanced Topics in Environmental Studies	SPR/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS ENVIR 450; CHG TTL, DESC																			
				LAST UPDT: 4/29/19		APPROVED:12/30/98													
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																			
				LAST UPDT: 7/23/15		APPROVED:12/30/98													
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													
ENVIR 511	ENVIR MANAGEMENT I Environmental Management - Keystone Project I	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																			
				LAST UPDT: 8/12/09		APPROVED: 3/13/07													



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 DEPARTMENT: EARTH AND SPACE SCIENCES

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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	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED:12/01/85													
ESS 101	GEOLOGY & SOCIETY Introduction to Geology and Societal Impacts	WIN/2018 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 1/10/19 APPROVED: 1/01/82 FEE TYPE:1 \$30.00 BUDGET:068342 REV OBJ CD:943081													
ESS 102	SPACE&SPACE TRAVEL Space and Space Travel	SPR/2016 - AUT/9999	5.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
COMMENT:END INTIAL DL				LAST UPDT: 1/10/19 FEE TYPE:1 \$20.00 BUDGET:068343 REV OBJ CD:943081													
ESS 103	MINERALS AND GEMS Minerals and Gems	AUT/2009 - AUT/2020	3.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 6/05/20 APPROVED: 9/24/01 DROPPED: 6/02/20 FEE TYPE:1 \$11.00 BUDGET:069340 REV OBJ CD:943081													
ESS 103	EARTH HISTORY Earth's Origin and Transformations Over 4.6 Billion Years	WIN/2021 - AUT/9999	1.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 6/05/20 APPROVED: 6/02/20													
ESS 104	PREHISTORIC LIFE Prehistoric Life	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/06/12 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	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 6/11/19 APPROVED: 4/28/03 FEE TYPE:1 \$15.00 BUDGET:069340 REV OBJ CD:943081													
ESS 106	LIVING WITH VOLCANO Living with Volcanoes	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09 APPROVED: 4/28/03													
ESS 115	INTRO ASTROBIOLOGY Astrobiology: Life in the Universe	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	ASTBIO115 OCEAN 115	.
COMMENT:MOVE JT COLLEGE				LAST UPDT:11/27/19 APPROVED: 2/27/04 ASTR 115 BIOL 114 ASTBIO 115													



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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	L	E	W	RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U							
ESS 119	ESS LAB TOURS Introduction to Laboratories	SPR/2013 - AUT/9999	1.0	3.0	.	CR/NC	.	.	.	.	.	.	.			.
				LAST UPDT: 1/16/13		APPROVED: 1/15/12										
ESS 201	CLIMATE SYSTEM Earth's Climate System	SPR/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.			.
				LAST UPDT: 12/19/18		APPROVED: 6/27/01										
ESS 202	EARTHQUAKES Earthquakes	AUT/2012 - AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.			.
				LAST UPDT: 9/18/12		APPROVED: 3/13/97										
				COMMENT: ADD AOK		FEE TYPE: 1		\$15.00 BUDGET: 069340 REV OBJ CD: 943081								
ESS 203	GLACIERS/GLBL CHNGE Glaciers and Global Change	WIN/2013 - AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.			.
				LAST UPDT: 1/10/19		APPROVED: 9/28/98										
				COMMENT: CHG AOK, DESC		FEE TYPE: 1		\$12.00 BUDGET: 068344 REV OBJ CD: 943081								
ESS 204	PALEOBI MASS EXTNCT The Paleobiology and Geobiology of Mass Extinctions	WIN/2015 - AUT/9999	3.0-04.0	.	.	.	.	.	.	Y	.	.	.			.
				LAST UPDT: 10/17/17		APPROVED: 11/18/14										
ESS 205	ACCESS TO SPACE Access to Space	AUT/2009 - AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.			.
				LAST UPDT: 1/10/19		APPROVED: 2/26/03										
				COMMENT: MOVE COLLEGE		FEE TYPE: 1		\$32.00 BUDGET: 068345 REV OBJ CD: 943081								
ESS 209	INTERDISC FIELD SEM Interdisciplinary Earth Sciences Field Seminar	AUT/2009 - AUT/9999	3.0-12.0	12.0	.	.	.	.	.	Y	.	.	.			.
				LAST UPDT: 8/12/09		APPROVED: 7/13/05										
				COMMENT: MOVE COLLEGE												
ESS 211	PHYS PROC EARTH Physical Processes of the Earth	SUM/2020 - AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.			.
				LAST UPDT: 12/18/19		APPROVED: 3/17/97										
				FEE TYPE: 1		\$26.00 BUDGET: 069340 REV OBJ CD: 943081										
ESS 212	TECT & MATLS EARTH Plate Tectonics and Materials of the Earth	SUM/2020 - AUT/9999	5.0	.	.	.	Y	.	Y	Y	.	.	.			.
				LAST UPDT: 1/03/20		APPROVED: 9/22/97										
				FEE TYPE: 1		\$75.00 BUDGET: 068347 REV OBJ CD: 943081										

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				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	P	SYS	D HYPH	M R E				A S W T P R G		
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	AUT/2019 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 4/03/19 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:068348 REV OBJ CD:943081															
ESS 230	RIVERS AND BEACHES Rivers and Beaches	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	ESS 230 OCEAN 230	.
				LAST UPDT: 1/10/19 APPROVED: 4/28/03 FEE TYPE:1 \$50.00 BUDGET:068349 REV OBJ CD:943081															
ESS 290	SPECIAL TOPICS Special Topics	WIN/2017 - AUT/9999	1.0-10.0	20.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17 APPROVED: 6/07/16															
ESS 298	EARTH SCI OPPORTS Exploring Opportunities in Earth and Space Sciences	SPR/2020 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/24/20 APPROVED:12/17/19															
ESS 301	GEOL OF NORTHWEST Geology of the Northwest	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/07/20 FEE TYPE:1 \$25.00 BUDGET:068350 REV OBJ CD:943081															
ESS 302	GREAT ICE AGE Great Ice Age	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/30/18 APPROVED:10/01/85 FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081															
ESS 303	GEOLOGIC HAZARDS GEOLOGIC HAZARDS	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:12/11/12 APPROVED:12/06/91															
				COMMENT:MOVE COLLEGE															
ESS 304	NW VOLC AND GLAC Volcanoes and Glaciers of the Pacific Northwest	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:12/14/17 APPROVED:12/01/83 FEE TYPE:1 \$39.00 BUDGET:069340 REV OBJ CD:943081															
ESS 305	GEOL NATIONAL PARKS Geology of the National Parks	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/07/20 APPROVED:12/01/89 FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081															

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				-ALL U	GRD	E	U N E	P & N C M S N	P	L	E	C	Q				T		
ESS 306	PLANETARY GEOLOGY Planetary Geology	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/07/20 APPROVED:12/10/90															
ESS 307	ESS DIV OUTREACH Diversity Outreach Program in Earth and Space Sciences	SPR/2019 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
				LAST UPDT:10/31/18 APPROVED:12/13/16															
ESS 310	EARTH SCI MATH Mathematical Methods in the Earth Sciences	SUM/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 3/22/17 APPROVED: 8/21/12															
ESS 311	GEOMECHANICS Geomechanics	AUT/2019 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	Y	.	.	.	.
				LAST UPDT: 4/03/19 APPROVED: 2/25/98															
				FEE TYPE:1 \$10.00 BUDGET:068351 REV OBJ CD:943081															
ESS 312	EARTH MATERIALS Earth Materials	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:12/18/19 APPROVED: 2/25/98															
ESS 313	GEOBIOLOGY Geobiology	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	Y	.	.	.	.
				LAST UPDT: 1/10/19 APPROVED: 2/25/98															
				FEE TYPE:1 \$40.00 BUDGET:068352 REV OBJ CD:943081															
ESS 314	GEOPHYSICS Geophysics	AUT/2019 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 4/03/19 APPROVED:10/29/03															
ESS 315	ENVIR EARTH SCI Environmental Earth Science	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	Y	.	.	.	ESS 315 ENVIR 313
				LAST UPDT: 1/07/20 APPROVED: 3/01/76															
				FEE TYPE:1 \$20.00 BUDGET:068353 REV OBJ CD:943081															
ESS 316	GEOCHEMISTRY Geochemistry	SUM/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:12/18/19 APPROVED:12/17/19															
ESS 320	CHANGING RIVERS Changing Rivers of Puget Sound	SPR/2011 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	Y	.	Y	.	.	.	ESS 320 ENVIR 320
				LAST UPDT: 8/05/14 APPROVED:12/21/10															
				FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081										AIS 320					
COMMENT: DING																			

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
ESS 326	GEOMORPHOLOGY Geomorphology	AUT/2012 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
	COMMENT:CHG PREQ			LAST UPDT: 1/10/19 APPROVED: 2/25/98 FEE TYPE:1 \$30.00 BUDGET:068354 REV OBJ CD:943081													
ESS 345	MINERAL DEPOSITS The Environment of Fuel and Mineral Deposits	SUM/2020 - WIN/2021	3.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 6/05/20 APPROVED: 9/24/01 DROPPED: 6/02/20 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													
ESS 400	FIELD GEOLOGY Field Geology	SUM/2020 - AUT/9999	12.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/06/20 APPROVED: 3/01/89													
ESS 401	FIELD GEOL WITH GIS Field Geology with GIS	SUM/2020 - AUT/9999	12.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/06/20 APPROVED: 1/22/19													
ESS 402	INTL FIELD GEOLOGY International Field Geology	SPR/2018 - AUT/9999	3.0-12.0	12.0	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:11/21/17 APPROVED:12/01/99													
ESS 403	GLOBAL TECTONICS Global Tectonics	SUM/2017 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 3/22/17 APPROVED: 1/28/00													
ESS 406	EARTH SCI FOR TEACH Earth Sciences for Middle and High School Science Teachers	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:12/14/17 APPROVED: 2/25/02													
ESS 408	GREAT ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:10/17/17 APPROVED: 3/29/06													
ESS 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	WIN/2018 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.	OCEAN 410	OCEAN 410	.
				LAST UPDT:12/13/17 FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081													
ESS 411	CONTINUUM MECHANICS Geophysical Continuum Mechanics	SPR/2017 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/12/17													

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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			
ESS 412	INTRO SEISMOLOGY Introduction to Seismology	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
																	LAST UPDT: 1/12/17
ESS 413	GEOPHYSICS EARTH Geophysics: The Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
																	LAST UPDT:12/14/17
																	COMMENT:MOVE COLLEGE
ESS 414	FLUIDS Geophysics: Fluids	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
																	LAST UPDT: 1/12/17
ESS 415	SPACE AND PLASMAS Space and Plasmas	SUM/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
																	LAST UPDT: 2/28/18
ESS 416	GEOPHYS ATMOS Geophysics: The Atmosphere	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
																	LAST UPDT:12/14/17 APPROVED:10/12/72
																	COMMENT:MOVE COLLEGE
ESS 418	GEOSCIENCE COMM Geoscience Communication	SPR/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT:10/17/17 APPROVED: 6/15/10
ESS 420	INTRO GIS EARTH SCI Introduction to Geographic Information Systems for the Earth Sciences	AUT/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
																	LAST UPDT: 4/06/17 APPROVED:12/20/11
ESS 421	INTRO REMOT SENSING Introduction to Geological Remote Sensing	AUT/2009 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
																	LAST UPDT: 1/10/19 APPROVED: 6/01/81
																	FEE TYPE:1 \$20.00 BUDGET:068355 REV OBJ CD:943081
ESS 422	FIELD REMOTE SENSING Field Methods in Remote Sensing	WIN/2019 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
																	LAST UPDT:11/01/18 APPROVED: 9/20/99
																	FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081
ESS 424	WATER IN ENVIRONMNT Water in the Environment	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	ESS 424 PHYS 460	.
																	LAST UPDT: 6/11/19 APPROVED: 2/25/00
																	COMMENT:MOVE COLLEGE ATM S 460

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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						
ESS 425	TECTONIC GEOMORPH Tectonic Geomorphology	SUM/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/17 APPROVED:11/17/15													
ESS 426	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2012 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/10/19 APPROVED: 1/01/79													
				COMMENT:CHG PREQ FEE TYPE:1 \$40.00 BUDGET:068356 REV OBJ CD:943081													
ESS 427	HILLSLOPE GEOMORPH Hillslope Geomorphology	AUT/2013 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/10/19 APPROVED: 1/01/79													
				COMMENT:ADD FEE FEE TYPE:1 \$40.00 BUDGET:068357 REV OBJ CD:943081													
ESS 428	LANDSCAPE EVOLUTION LANDSCAPE EVOLUTION	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 2/25/98													
				COMMENT:MOVE COLLEGE													
ESS 431	PRINS OF GLACIOLOGY Principles of Glaciology	AUT/2012 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/10/19 APPROVED: 6/01/89													
				COMMENT:UPDATE PREQ FEE TYPE:1 \$17.00 BUDGET:068358 REV OBJ CD:943081													
ESS 432	GLACIAL GEOLOGY Glacial Geology	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:12/14/17 APPROVED:12/01/79													
				COMMENT:MOVE COLLEGE													
ESS 433	ENV OF GLACIAL AGES Environmental Change in the Glacial Ages	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 4/19/10 APPROVED:12/01/85													
				COMMENT:CHG CREDITS, DROP JT STATUS													
ESS 435	GLACIAL PERIGLACIAL Glacial-Periglacial Geomorphology NW	SUM/2017 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 6/11/19 APPROVED:12/21/10													
ESS 437	MINERALOGY Mineralogy	SPR/2017 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:10/17/18 APPROVED:10/26/99													

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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
					-ALL	U		GRD	E	U	N	E	P	N	C			
ESS 439	PETRG/PETRL IGN RCK Petrology of Igneous Rocks	SUM/2020 -	AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 1/06/20																		
ESS 440	PETRO/PETRL META RK Petrography and Petrology of Metamorphic Rocks	AUT/2009 -	AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT:12/14/17																		
COMMENT:MOVE COLLEGE																		
ESS 441	PETRG/PETRL SED RCK Petrology and Petrography of Sedimentary Rocks	SUM/2020 -	AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 1/06/20 APPROVED:12/01/81																		
ESS 445	GEOL OF ORE DEPOSIT Geology of Ore Deposits	AUT/2009 -	WIN/2021	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
LAST UPDT: 6/08/20 APPROVED: 6/01/77																		
COMMENT:MOVE COLLEGE																		
ESS 445	ECONOMIC GEOLOGY Economic Geology	SPR/2021 -	AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
LAST UPDT: 6/08/20 APPROVED: 6/01/77																		
FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081																		
ESS 447	ENGINEERING GEOLOGY Engineering Geology: Methods and Application	SUM/2020 -	AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/07/20 APPROVED: 2/28/12																		
FEE TYPE:1 \$40.00 BUDGET:068359 REV OBJ CD:943081																		
ESS 448	ANALYTIC PALEOBIO Analytical Paleobiology	AUT/2018 -	AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	BIOL 438	BIOL 438	.
LAST UPDT: 5/25/18 APPROVED: 6/03/14																		
ESS 449	PALEOBIO FIELD RSRCH Paleobiology Field Methods and Research	WIN/2019 -	AUT/9999	3.0-05.0	.	.	.	.	Y	.	.	Y	.	.	.	BIOL 475	BIOL 475	.
LAST UPDT: 8/07/18 APPROVED:12/21/10																		
FEE TYPE:1 \$120.00 BUDGET:069377 REV OBJ CD:943081																		
ESS 450	PALEOBIOLOGY Paleobiology	AUT/2009 -	AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
LAST UPDT: 8/06/12 APPROVED: 2/01/82																		
COMMENT:MOVE COLLEGE																		
FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081																		

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F L I E C Q T V L R										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							
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												
ESS 454	HYDROGEOLOGY Hydrogeology	SUM/2017 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.		.	.
				LAST UPDT: 3/22/17 APPROVED: 5/19/09												
ESS 455	STRATIGRAPHY Stratigraphy	AUT/2009 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.		.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 1/10/19 FEE TYPE:1 \$15.00 BUDGET:068360 REV OBJ CD:943081												
ESS 456	SED GEO Sedimentary Geology and Depositional Environments	SPR/2018 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.		.	.
				LAST UPDT: 1/28/20 APPROVED: 1/01/82 FEE TYPE:1 \$80.00 BUDGET:069340 REV OBJ CD:943081												
ESS 457	ENV GEOCHEM Environmental Geochemistry	SUM/2020 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.		.	.
				LAST UPDT: 1/06/20 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:12/14/17 APPROVED:10/01/74												



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				-ALL U MAX	GRD P	D E	E	U N E	M R E	P & A	N S W	C M T	E C P	S Q R	N T			
ESS 460	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	SUM/2020 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 1/06/20				APPROVED: 3/29/04										
ESS 461	GEOLOGICAL TIME Geological Time	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 4/22/20				APPROVED: 3/27/95				COMMENT:MOVE COLLEGE						
ESS 462	VOLCANIC PROCESSES Volcanic Processes	SUM/2020 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 1/06/20				APPROVED: 6/01/99										
ESS 463	STRUCTURE TECTONICS Structure and Tectonics	SPR/2017 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 1/10/19				APPROVED: 2/25/98				FEE TYPE:1 \$150.00 BUDGET:068361 REV OBJ CD:943081						
ESS 464	GEODYNAMICS GEODYNAMICS	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 9/06/12				APPROVED: 2/28/94				COMMENT:UPDATE PREQ						
ESS 465	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	CEE 431	CEE 431	
				LAST UPDT: 2/06/18				APPROVED:12/01/99				COMMENT:UPDATE PREQ						
ESS 466	APPLIED SEISMOLOGY APPLIED SEISMOLOGY	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 8/12/09				APPROVED: 1/01/88				COMMENT:MOVE COLLEGE						
ESS 467	SEISMIC EXPLORATION Seismic Exploration	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	ESS 467	OCEAN 412	
				LAST UPDT: 9/25/17				APPROVED:12/01/89										
ESS 471	INTRO TO SPACE PHYS Introduction to Space Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.	
				LAST UPDT: 8/12/09				APPROVED: 9/27/91				COMMENT:MOVE COLLEGE						



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					-ALL	U		GRD	E	U	N	E	P	&	N			
ESS	498	INDEPENDENT STUDY Independent Study	SUM/2018 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	
LAST UPDT: 2/22/18																		
ESS	499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	0.0	15.0	Y	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 8/12/09 APPROVED: 2/01/87																		
COMMENT:MOVE COLLEGE																		
ESS	501	GEOCHEMICAL SYSTEMS Geochemical Systems	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 8/12/09 APPROVED: 6/13/06																		
COMMENT:MOVE COLLEGE																		
ESS	502	THE SOLID EARTH The Solid Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 8/12/09 APPROVED: 6/13/06																		
COMMENT:MOVE COLLEGE																		
ESS	503	SOLAR TERRESTR PHYS Introduction to Solar Terrestrial Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 8/12/09 APPROVED: 8/08/06																		
COMMENT:MOVE COLLEGE																		
ESS	504	EARTH SURFACE The Earth Surface	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.		
LAST UPDT: 1/10/19 APPROVED: 6/13/06																		
COMMENT:MOVE COLLEGE																		
FEE TYPE:1 \$50.00 BUDGET:068364 REV OBJ CD:943081																		
ESS	505	THE CRYOSPHERE The Cryosphere	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 6/22/11 APPROVED: 6/21/11																		
ESS	508	GREAT GEOL ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.		
LAST UPDT: 8/12/09 APPROVED: 3/29/06																		
COMMENT:MOVE COLLEGE																		
ESS	509	APPL FIELD MTHDS I Field Methods in Applied Geology I	WIN/2014 - SUM/2020	3.0	.	.	.	.	Y	.	.	.	.	.	.	.		
LAST UPDT: 3/19/20 APPROVED: 4/16/13																		
COMMENT:ADD FEE																		
FEE TYPE:1 \$500.00 BUDGET:068365 REV OBJ CD:943081																		

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				-ALL	U	GRD	E	U	N	E	P	& N	C	M	S				N
ESS 509	APPLIED GEO INVESTGN Applied Geology Investigations	AUT/2020 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 3/19/20 APPROVED: 4/16/13 FEE TYPE:1 \$500.00 BUDGET:068365 REV OBJ CD:943081															
ESS 510	APPL FIELD MTHDS II Field Methods in Applied Geology II	WIN/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	
				COMMENT:ADD FEE LAST UPDT: 1/10/19 APPROVED: 4/16/13 FEE TYPE:1 \$500.00 BUDGET:068366 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															
ESS 513	THE EARTH Geophysics: The Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				COMMENT:MOVE COLLEGE LAST UPDT:12/14/17 APPROVED: 1/24/95															
ESS 514	FLUIDS Geophysics: Fluids	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				COMMENT:MOVE COLLEGE LAST UPDT: 8/12/09 APPROVED: 1/24/95															
ESS 515	SPACE Geophysics: Space	SUM/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 2/28/18 APPROVED: 1/24/95															
ESS 516	THE ATMOSPHERE Geophysics: The Atmosphere	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				COMMENT:MOVE COLLEGE LAST UPDT:12/14/17 APPROVED: 1/24/95															
ESS 517	EARTH EVOLUTION Early Earth Evolution	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
				COMMENT:MOVE COLLEGE LAST UPDT: 8/12/09 APPROVED: 2/28/03															







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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 550	EMAG & POTEN FIELDS Electromagnetic and Potential Field Methods	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:12/14/17 APPROVED: 2/28/94															
ESS 551	MINERAL PHYSICS Mineral Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:10/17/18 APPROVED: 2/28/94															
ESS 552	SOLUTION GEOCHEM SOLUTION GEOCHEMISTRY	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:12/11/12 APPROVED:11/01/75															
ESS 553	ELEC BEAM ANALYSIS Electron Beam Microanalysis	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 6/11/19 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	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:10/17/18 APPROVED: 3/28/94															
ESS 556	PHYSICAL PETROLOGY PHYSICAL PETROLOGY	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09 APPROVED:12/01/89															
ESS 557	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	BIOL 557	BIOL 557	.
	COMMENT:CHG FEE			LAST UPDT:11/06/13 APPROVED: 5/19/09															
				FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081															
ESS 558	GRAD PALEOBIO RES Introduction to Graduate Research in Paleobiology	AUT/2012 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	BIOL 555	BIOL 555	.
				LAST UPDT: 8/23/12 APPROVED: 6/19/12															







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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	A S W T P R G							
ESS 582	ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SPR/2017 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 5/02/17 APPROVED: 6/07/16 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													
ESS 583	SOLAR SYSTEM ORIGIN Origin of the Solar System	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ASTR 557	ASTR 557	.	
				LAST UPDT: 8/12/09 APPROVED: 9/01/77 COMMENT:MOVE COLLEGE													
ESS 584	SPACE LAW & POLICY Space Law and Policy	SUM/2019 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	JSIS B544	A A 590	.	
				LAST UPDT: 6/21/19 APPROVED: 2/19/19 JSIS B 544													
ESS 585	PNW CLIMATE IMPACTS Climate Impacts on the Pacific Northwest	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	ATM S 585	ATM S 585	.	
				LAST UPDT: 9/07/11 APPROVED: 1/30/03 COMMENT:CHG JT STATUS 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	.	
				LAST UPDT: 2/10/10 APPROVED: 2/25/02 OCEAN 586 COMMENT:MOVE JT COLLEGE													
ESS 587	FUND CLIMATE CHANGE Fundamentals of Climate Change	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 587	ATM S 587	.	
				LAST UPDT: 3/21/13 APPROVED: 2/25/02 OCEAN 587 COMMENT:CHG TITLES, DESC													
ESS 588	CARBON AND CLIMATE The Global Carbon Cycle and Climate	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	OCEAN 588	ATM S 588	.	
				LAST UPDT: 2/10/10 APPROVED: 2/25/02 OCEAN 588 COMMENT:MOVE JT COLLEGE													
ESS 589	PALEOCLIMATOLOGY Paleoclimatology: Data, Modeling, and Theory	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 589	ATM S 589	.	
				LAST UPDT: 2/10/10 APPROVED: 2/25/02 OCEAN 589 COMMENT:MOVE JT COLLEGE													
ESS 590	SPECIAL TOPICS Special Topics	AUT/2009 - AUT/9999	2.0-10.0	20.0	Y	.	.	.	.	.	.	.	.	.	.	.	
				LAST UPDT: 8/12/09 APPROVED: 9/27/91 COMMENT:MOVE COLLEGE													





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COLLEGE : D - Environment  
 DEPARTMENT: FRI HARBOR LABS

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			
FHL 101	MAR BIO WEEKEND Introduction to Marine Biology in the San Juan Islands	AUT/2018 - AUT/9999	1.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/15/18 APPROVED:11/15/16														
				FEE TYPE:1 \$195.00 BUDGET:099147 REV OBJ CD:943081														
FHL 250	MARINE BIOLOGY Marine Biology	SPR/2020 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/05/20 APPROVED: 1/21/20														
				FEE TYPE:1 \$100.00 BUDGET:068530 REV OBJ CD:943081														
FHL 305	BIOLOGY OF FISHES Biology of Fishes	AUT/2018 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/04/19 APPROVED: 4/15/14														
				FEE TYPE:1 \$110.00 BUDGET:068530 REV OBJ CD:943081														
FHL 333	SCIENCE WRITING Science Writing for Diverse Audiences	AUT/2018 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED:10/17/17														
FHL 350	INTRO MAR RESEARCH Introduction to Research in Marine Biology	AUT/2020 - AUT/9999	6.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/14/20 APPROVED: 3/17/20														
				FEE TYPE:1 \$110.00 BUDGET:068530 REV OBJ CD:943081														
FHL 375	MAR MAMM SALISH Marine Mammals of the Salish Sea	AUT/2018 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/04/19 APPROVED:11/15/16														
				FEE TYPE:1 \$132.00 BUDGET:068530 REV OBJ CD:943081														
FHL 430	MARINE ZOOLOGY Marine Zoology	AUT/2018 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	FHL 430 BIOL	430	.
				LAST UPDT:11/04/19 APPROVED: 6/03/14														
				FEE TYPE:1 \$99.00 BUDGET:068530 REV OBJ CD:943081														
FHL 432	MARINE INVERT ZOOL Marine Invertebrate Zoology	AUT/2018 - AUT/9999	9.0	.	.	.	.	Y	.	.	.	.	.	.	FHL 432 BIOL	432	.	
				LAST UPDT:11/04/19 APPROVED: 2/20/15														
				FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081														
FHL 435	RES APPRENTICESHIP Research Apprenticeship in Marine Science	AUT/2018 - AUT/9999	15.0	.	.	.	.	.	.	.	.	.	Y	.	FHL 435 BIOL	435	.	
				LAST UPDT: 4/25/18 APPROVED: 1/20/15														
				MARBIO 435														

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COLLEGE : D - Environment  
 DEPARTMENT: FRI HARBOR LABS

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			
FHL 440	MARINE BOTANY Marine Botany	AUT/2018 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y	.	.	.	.	FHL 440	BIOL 445	.
LAST UPDT:11/04/19 APPROVED: 6/03/14 FEE TYPE:1 \$99.00 BUDGET:068530 REV OBJ CD:943081																	
FHL 446	MAR BOT DIV ECOL Marine Botany: Diversity and Ecology	AUT/2018 -	AUT/9999	9.0	.	.	.	. . Y	.	. . Y	.	.	.	.			.
LAST UPDT:11/04/19 APPROVED: 1/20/15 FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081																	
FHL 450	SHORE ECOL RES EXP Nearshore Ecology Research Experience	AUT/2018 -	AUT/9999	6.0	.	.	.	. . Y	.	. . Y	.	.	.	.	FHL 450	MARBIO450	.
LAST UPDT: 4/25/18 APPROVED: 4/15/14 FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081																	
FHL 460	AQUA ANIMAL RES EXP Aquatic Animals Research Experience	AUT/2018 -	AUT/9999	6.0	.	.	.	. . Y	.	. . Y	.	.	.	.	FHL 460	MARBIO460	.
LAST UPDT: 4/25/18 APPROVED: 4/15/14 FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081																	
FHL 470	RES IN MARINE BIOL Research in Marine Biology	AUT/2018 -	AUT/9999	1.0-15.0	15.0	.	.	. . Y	.	. . Y	.	.	.	.	FHL 470	MARBIO470	.
LAST UPDT:11/04/19 APPROVED: 4/15/14 FEE TYPE:1 \$110.00 BUDGET:068530 REV OBJ CD:943081																	
FHL 471	ANAT PHYSIOL MARINE Comparative Anatomy and Physiology of Marine Organisms	AUT/2019 -	AUT/9999	5.0	.	.	.	. . Y	.	. . Y	.	.	.	.	FHL 471	BIOL 471	.
LAST UPDT:11/04/19 APPROVED: 3/19/19 FEE TYPE:1 \$132.00 BUDGET:068530 REV OBJ CD:943081																	
FHL 490	MARINE SCI SEMINAR Marine Sciences Seminar	AUT/2018 -	AUT/9999	1.0	3.0	.	.	.	.	. . Y	.	.	.	.			.
LAST UPDT: 9/18/18 APPROVED: 4/15/14																	
FHL 492	MAR BIRD MAMM Ecology and Conservation of Marine Birds and Mammals	AUT/2018 -	AUT/9999	9.0-15.0	15.0	.	.	. . Y	.	. . Y	.	.	.	.	FHL 492	MARBIO492	.
LAST UPDT:11/04/19 APPROVED:12/16/14 FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081																	
FHL 495	SPEC TOPICS NAT SCI Special Topics in Natural Science	AUT/2020 -	AUT/9999	3.0-05.0	10.0	.	.	.	.	.	.	.	.	.			.
LAST UPDT: 4/10/20 APPROVED: 2/18/20																	

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COLLEGE : D - Environment  
 DEPARTMENT: FRI HARBOR LABS

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			
FHL 528	ADV TPCS FISH BIOL Advanced Topics in Fish Biology	AUT/2018 - AUT/9999	9.0	27.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 9/18/18 APPROVED: 2/17/15																		
FHL 536	COMP INVERT EMBRYOL Comparative Invertebrate Embryology	AUT/2018 - AUT/9999	9.0	.	.	.	.	.	Y	.	.	.	.	.	FHL 536 BIOL 536	.	.	
LAST UPDT:11/12/19 APPROVED: 1/20/15 FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081																		
FHL 548	ADV TPCS EVOL DEVEL Advanced Topics in Evolution and Development	AUT/2018 - AUT/9999	9.0	27.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
LAST UPDT: 9/18/18 APPROVED: 2/17/15																		
FHL 568	ADV TPC ECOL BIOMCH Advanced Topics in Ecology and Biomechanics	AUT/2018 - AUT/9999	9.0	27.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
LAST UPDT: 9/18/18 APPROVED: 2/17/15																		
FHL 578	SPEC TOP SCI COMMUN Special Topics in Science Communication	AUT/2018 - AUT/9999	9.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	
LAST UPDT: 9/18/18 APPROVED:10/18/16																		
FHL 585	ADV TPC NBIO&PHYSIO Advanced Topics in Neurobiology and Physiology	AUT/2018 - AUT/9999	9.0	27.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
LAST UPDT: 9/18/18 APPROVED: 2/17/15																		



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COLLEGE : D - Environment  
 DEPARTMENT: MARINE BIOLOGY

COURSE CURRIC NUM	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			
MARBIO 270	AQUATIC ECOPHYSLGY Aquatic Ecophysiology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 270	OCEAN 270	.	
				LAST UPDT: 4/25/18		APPROVED: 12/16/14								FISH 270			
MARBIO 300	EXPLORE OPPS MARINE Exploring Opportunities in Marine Science	AUT/2018 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	OCEAN 300	FISH 300	.	
				LAST UPDT: 4/25/18		APPROVED: 2/18/14								OCEAN 300			
MARBIO 305	MARINE SCI WRIT Scientific Writing in Marine Biology	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.			.	
				LAST UPDT: 4/25/18		APPROVED: 6/06/17											
MARBIO 370	MARINE EVOLN BIOL Marine Evolutionary Biology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH 370	OCEAN 370	.	
				LAST UPDT: 4/25/18		APPROVED: 12/16/14								FISH 370			
MARBIO 433	MARINE ECOLOGY Marine Ecology	WIN/2021 - WIN/2021	5.0	.	.	.	.	Y	.	Y	.	.	.	BIOL 433	BIOL 433	.	
				LAST UPDT: 3/09/20		APPROVED: 4/28/03											
				FEE TYPE:1		\$91.00 BUDGET:069377		REV OBJ CD:943081									
MARBIO 433	MARINE ECOLOGY Marine Ecology	SPR/2021 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	BIOL 433	BIOL 433	.	
				LAST UPDT: 3/09/20		APPROVED: 4/28/03											
				FEE TYPE:1		\$91.00 BUDGET:069377		REV OBJ CD:943081									
MARBIO 435	RES APPRENTICESHIP Research Apprenticeship in Marine Science	AUT/2018 - AUT/9999	15.0	.	.	.	.	.	.	Y	.	.	.	FHL 435	BIOL 435	.	
				LAST UPDT: 4/25/18		APPROVED: 1/20/15								FHL 435			
MARBIO 450	SHORE ECOL RES EXP Nearshore Ecology Research Experience	AUT/2018 - AUT/9999	6.0	.	.	.	.	Y	.	Y	.	.	.	FHL 450	FHL 450	.	
				LAST UPDT: 4/25/18		APPROVED: 4/15/14											
				FEE TYPE:1		\$90.00 BUDGET:029357		REV OBJ CD:943081									
MARBIO 460	AQUA ANIMAL RES EXP Aquatic Animals Research Experience	AUT/2018 - AUT/9999	6.0	.	.	.	.	Y	.	Y	.	.	.	FHL 460	FHL 460	.	
				LAST UPDT: 4/25/18		APPROVED: 4/15/14											
				FEE TYPE:1		\$90.00 BUDGET:029357		REV OBJ CD:943081									
MARBIO 470	RES IN MARINE BIOL Research in Marine Biology	AUT/2018 - AUT/9999	1.0-15.0	15.0	.	.	.	Y	.	Y	.	.	.	FHL 470	FHL 470	.	
				LAST UPDT: 11/04/19		APPROVED: 4/15/14											
				FEE TYPE:1		\$110.00 BUDGET:068530		REV OBJ CD:943081									

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COLLEGE : D - Environment  
DEPARTMENT: MARINE BIOLOGY

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O				
					-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	T
MARBIO 479	MARINE BIO RESEARCH Research in Marine Biology	AUT/2018	- AUT/9999	1.0-15.0	15.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	FISH	479 BIOL	479 .
																		OCEAN	479			
																		FISH	479			
MARBIO 488	MARBIO IN FIELD Marine Biology in the Field	AUT/2018	- AUT/9999	4.0-06.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.			.
																		OCEAN	479			
																		FISH	479			
MARBIO 492	MAR BIRD MAMM Ecology and Conservation of Marine Birds and Mammals	AUT/2018	- AUT/9999	9.0-15.0	15.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	FHL	492 FISH	492 .	
																		FHL	492			



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COLLEGE : D - Environment  
 DEPARTMENT: OCEANOGRAPHY

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 220	INTRO FIELD OCEAN Introduction to Field Oceanography	SPR/2019 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT:10/17/18 APPROVED:10/05/73													
				FEE TYPE:1 \$50.00 BUDGET:099670 REV OBJ CD:943081													
OCEAN 230	RIVERS AND BEACHES Rivers and Beaches	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	Y	.	.	.	ESS	230	ESS	230
				LAST UPDT: 1/10/19 APPROVED: 4/28/03													
				FEE TYPE:1 \$50.00 BUDGET:068349 REV OBJ CD:943081													
OCEAN 235	ARCTIC CHANGE Arctic Change	SPR/2014 - AUT/9999	2.0-03.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 2/19/15 APPROVED: 2/15/11													
				COMMENT:WAS OCEAN 122, CHG CREDITS													
OCEAN 240	SPEC TOPICS OCEAN Special Topics in Oceanography	WIN/2017 - AUT/9999	1.0-05.0	9.0	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/25/16 APPROVED: 9/17/96													
				FEE TYPE:1 \$50.00 BUDGET:069670 REV OBJ CD:943081													
OCEAN 250	MARINE BIOLOGY Marine Biology	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	Y	.	Y	Y	.	.	FISH	250	BIOL	250
				LAST UPDT: 7/23/15 APPROVED: 2/21/01													
				FEE TYPE:1 \$75.00 BUDGET:069602 REV OBJ CD:943081													
				COMMENT:MOVE COLLEGE													
OCEAN 260	PUGET ECOSYSTEM THE PUGET SOUND ECOSYSTEM	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	Y	.	Y	Y	.	.	OCEAN	260	ENVIR	260
				LAST UPDT: 8/06/12 APPROVED:11/21/05													
				FEE TYPE:1 \$50.00 BUDGET:750364 REV OBJ CD:943081													
				COMMENT:MOVE COLLEGE													
OCEAN 261	INTRO OCEAN TECH Introduction to Ocean Technology	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 7/11/19 APPROVED: 2/17/15													
OCEAN 270	AQUATIC ECOPHYSLGY Aquatic Ecophysiology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	FISH	270	MARBIO270	.
				LAST UPDT: 4/25/18 APPROVED:12/16/14													
				COMMENT:MOVE COLLEGE													
OCEAN 285	FLUID MECH & WAVES Physics Across Oceanography: Fluid Mechanics and Waves	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 8/07/17 APPROVED:11/18/14													

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COLLEGE : D - Environment  
 DEPARTMENT: OCEANOGRAPHY

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			
OCEAN 286	FLUID MECH&WAVES LAB Physics Across Oceanography: Fluid Mechanics and Waves Laboratory	WIN/2016 - AUT/9999	2.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/07/17 APPROVED:11/17/15													
				FEE TYPE:1 \$20.00 BUDGET:099670 REV OBJ CD:943081													
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/2018 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	OCEAN 300 FISH 300	.
				LAST UPDT: 4/25/18 APPROVED: 2/18/14													
				MARBIO 300													
OCEAN 310	MAR GEO & GEOCHEM Marine Geology and Geochemistry	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 4/04/17 APPROVED: 3/21/17													
OCEAN 320	COASTAL OCEAN Coastal Oceanography	WIN/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/25/16 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 340	INTERDISC TPC OCEAN Interdisciplinary Topics in Oceanography	WIN/2017 - AUT/9999	1.0-05.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/25/16 APPROVED:10/18/16													
OCEAN 350	STR & PRCS MAR ORG STRUCTURE AND PROCOESS 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													

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COLLEGE : D - Environment  
 DEPARTMENT: OCEANOGRAPHY

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 M S N	E C Q T					
OCEAN 361	OC TECH I SENSORS Ocean Technology I: Introduction to Underwater Observational Sensor Design and Build	SPR/2015 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/18/15		APPROVED: 2/17/15											
OCEAN 370	MARINE EVOLN BIOL Marine Evolutionary Biology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	FISH 370	MARBIO370	.	.
				LAST UPDT: 4/25/18		APPROVED:12/16/14											
OCEAN 401	SPEC TOP CHEM OCEAN Special Topics in Chemical Oceanography	WIN/2020 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/05/19		APPROVED: 3/28/01											
OCEAN 409	MARINE POLLUTION Marine Pollution	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/14/17		APPROVED:11/18/14											
OCEAN 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	OCEAN 410	ESS 410	.	.
				LAST UPDT:12/13/17		FEE TYPE:1 \$50.00		BUDGET:099670		REV OBJ CD:943081							
OCEAN 411	SPEC TOP GEO/GPHYS Special Topics in Marine Geology and Geophysics	SUM/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/29/11		APPROVED: 3/28/01											
				COMMENT:UWCR COMMITTE REMOVE QSR													
OCEAN 412	SEISMIC EXPLORATION Seismic Exploration	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 467	ESS 467	.	.
				LAST UPDT: 9/25/17		APPROVED:12/01/89											
OCEAN 420	PHYS PROC OCEAN Physical Processes in the Ocean	WIN/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/18/16		APPROVED: 2/21/01											
				COMMENT:CHG PREQ													
OCEAN 421	SPEC TOP PHYS OCEAN Special Topics in Physical Oceanography	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 3/28/01											
				COMMENT:MOVE COLLEGE													
OCEAN 422	OCEAN DYNAMICS OCEAN DYNAMICS	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10		APPROVED: 3/28/01											
				COMMENT:MOVE COLLEGE													

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CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
					-ALL	U		GRD	E	U	N	E	P	&	N			
OCEAN 423	OCEAN CIRC & CLIMATE Ocean Circulation and Climate	AUT/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/19/16		APPROVED: 3/28/01											
OCEAN 430	BIO OCEAN Biological Oceanography	AUT/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 3/14/11		COMMENT:CHG DESC											
OCEAN 431	SPEC TOP BIOL OCEAN Special Topics in Biological Oceanography	AUT/2018 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 5/29/18		APPROVED: 3/28/01											
OCEAN 443	SNR THESIS PROPOSAL Undergraduate Thesis: Proposal	AUT/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT:10/04/17		APPROVED: 2/21/01											
OCEAN 444	SNR THESIS RESEARCH Undergraduate Thesis: Research	SUM/2020 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT:11/22/19		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	SUM/2020 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT:11/22/19		APPROVED:10/16/12		FEE TYPE:1 \$500.00 BUDGET:099670 REV OBJ CD:943081									
OCEAN 450	CLIMATIC EXTREMES Climatic Extremes	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 2/10/10		APPROVED: 4/25/01		COMMENT:MOVE COLLEGE									
OCEAN 451	FLUID DYAMICS LAB FLUID DYNAMICS LABORATORY	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 2/10/10		APPROVED: 3/28/01		COMMENT:MOVE COLLEGE									
OCEAN 452	MARINE GIS Marine Geospatial Information Science	AUT/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 4/25/17		APPROVED: 3/28/01		OCEAN 452 FISH 452 .									
OCEAN 453	GEOSPTL PTRN ANLYS Geospatial Pattern Analysis and Geostatistics	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	
					LAST UPDT: 7/18/16		APPROVED: 3/28/01		OCEAN 453 FISH 453 .									
					COMMENT:RECREATED OCEAN 452 WITH CHGS													







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 DEPARTMENT: OCEANOGRAPHY

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			
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	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE, 5/13 RETRO MAX			LAST UPDT: 5/02/13														
OCEAN 510	PHYSICS OCEAN CIRC Physics of Ocean Circulation	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10 APPROVED: 6/28/84														
OCEAN 511	FLUID DYNAMICS Introduction to Fluid Dynamics	AUT/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	AMATH 505	ATM S 505
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 3/21/16 APPROVED:10/05/92														
OCEAN 512	GEOPHYS FLUID DYN I Geophysical Fluid Dynamics I	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	OCEAN 512	ATM S 509
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10 APPROVED: 6/01/85														
OCEAN 513	GEOPHY FLUID DYN II Geophysical Fluid Dynamics II	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10 APPROVED: 9/18/85														
OCEAN 514	WAVES Waves	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10														
OCEAN 515	OCEAN CIRC OBSERVTN Ocean Circulation: Observations	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10 APPROVED: 9/18/85														
OCEAN 516	OCEAN CIRC THEORIES OCEAN CIRCULATION: THEORIES	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 2/10/10														





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 DEPARTMENT: OCEANOGRAPHY

CURRIC	NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L E E W					RESPONS	JOINT	O
						-ALL	U		GRD	E	U	N	E	P	&	N			
OCEAN	544	MARINE HYDROGEOLOGY Subseafloor Hydrogeology and Geochemistry	SPR/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/29/12		APPROVED: 2/28/12											
OCEAN	545	OCEANIC LITHOSPHERE Oceanic Lithosphere	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	OCEAN 545	ESS	568	.
						LAST UPDT: 4/18/11		APPROVED: 2/21/95											
						COMMENT:CHG TITLES, PREQ, DESC													
OCEAN	546	CONTINENT-MARG SED Continental-Margin Sedimentation	WIN/2014 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	OCEAN 546	ESS	546	.
						LAST UPDT:11/20/13		APPROVED:11/21/05											
						COMMENT:CHG JT COURSE													
OCEAN	549	SMNR GEO/GPHY OCEAN Seminar in Geological and Geophysical Oceanography	AUT/2011 -	AUT/9999	0.0	30.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/19/11													
						COMMENT:CHG MAX CREDITS													
OCEAN	550	GEO MELT GENERATION Geochemistry and Geophysics of Melt Generation	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/10/10		APPROVED: 2/21/95											
						COMMENT:MOVE COLLEGE													
OCEAN	551	MARINE SEISMOLOGY MARINE SEISMOLOGY	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 2/10/10		APPROVED: 2/21/95											
						COMMENT:MOVE COLLEGE													
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													





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COLLEGE : D - Environment  
 DEPARTMENT: OCEANOGRAPHY

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D		D	S H F	V	L I	E E W	R	RESPONS	JOINT	I	
					-ALL U	GRD										E
OCEAN 596	CLIMATE CAPSTONE Climate Science Capstone Project	AUT/2019 -	AUT/9999	1.0-05.0	5.0	.	.	11	.	.	.	.	ATM S 596	ESS	596	.
LAST UPDT: 6/06/19 APPROVED:12/16/08																
OCEAN 600	INDEPN DNT STDY/RSCH Independent Study or Research	SPR/2010 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.				.
COMMENT:MOVE COLLEGE																
OCEAN 700	MASTERS THESIS Master's Thesis	SPR/2010 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.				.
COMMENT:MOVE COLLEGE																
OCEAN 800	DOCTORAL DISSERTATN Doctoral Dissertation	SPR/2010 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.				.
COMMENT:MOVE COLLEGE																
LAST UPDT: 4/19/10 APPROVED: 1/01/70																



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 DEPARTMENT: QUANT SCIENCE

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 N E	P	& N C M S N	A S W T P R G							
Q SCI 190	QUANT ANLYS ENV SCI Quantitative Analysis for Environmental Science	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	Y	.		.	
				LAST UPDT: 9/18/18		APPROVED: 3/15/11											
Q SCI 210	INTRO ENVIR MODEL Introduction to Environmental Modeling	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	Y	.	Q SCI 210 ENVIR 210	.	
				LAST UPDT: 9/18/18		APPROVED: 12/30/86											
Q SCI 291	ANLYS FOR BIOL 1 Analysis for Biologists I	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	Y	.		.	
				LAST UPDT: 9/18/18		APPROVED: 7/10/69											
Q SCI 292	ANLYS FOR BIOL 2 Analysis for Biologists II	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	Y	.		.	
				LAST UPDT: 9/18/18		APPROVED: 7/10/69											
Q SCI 381	INTRO PROBABIL&STAT Introduction to Probability and Statistics	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	Y	.		.	
				LAST UPDT: 9/18/18		APPROVED: 3/09/73											
Q SCI 391	INTRO MATRICES&APPL INTRODUCTION TO MATRICES AND THEIR APPLICATIONS	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.		.	
				LAST UPDT: 9/18/18													
Q SCI 392	TECH APL MATH-BIO I TECHNIQUES OF APPLIED MATHEMATICS IN BIOLOGY I	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.		.	
				LAST UPDT: 9/18/18		APPROVED: 3/02/72											
Q SCI 393	TECH APL MATH-BIO 2 TECHNIQUES OF APPLIED MATHEMATICS IN BIOL I AND II	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.		.	
				LAST UPDT: 9/18/18		APPROVED: 8/31/72											
Q SCI 403	RESAMPLING INFER Introduction to Resampling Inference	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	STAT 403 STAT 403	.	
				LAST UPDT: 9/18/18		APPROVED: 9/27/91											
Q SCI 451	ANALYT METH WILDLIFE Analytical Methods in Wildlife Science	SUM/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	ESRM 451 ESRM 451	.	
				LAST UPDT: 8/20/19		APPROVED: 9/19/17											
Q SCI 454	ECOLOGICAL MODELING Ecological Modeling	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	FISH 454 FISH 454	.	
				LAST UPDT: 9/18/18		APPROVED: 1/31/05											

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COLLEGE : D - Environment  
 DEPARTMENT: QUANT SCIENCE

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 N E	P	N	C	M	S	N	A			
Q SCI 458	ADV ECOL MODEL ADVANCED ECOLOGICAL MODELING	SPR/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	FISH 458 FISH 458	.
				LAST UPDT: 3/03/20 APPROVED: 5/29/75													
Q SCI 480	SAMPLING THEORY Sampling Theory for Biologists	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	Q SCI 480 STAT 480	.
				LAST UPDT: 9/18/18 APPROVED: 8/31/72													
Q SCI 482	STAT INFR IN ECOL Statistical Inference in Applied Research I: Hypothesis Testing and Estimation for Ecologists and Resource Managers	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED: 6/28/79													
Q SCI 483	STAT REGRES IN ECOL Statistical Inference in Applied Research II: Regression Analysis for Ecologists and Resource Managers	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED: 1/31/84													
Q SCI 486	EXPERIMENTAL DESIGN Experimental Design	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	Q SCI 486 STAT 486	.
				LAST UPDT: 9/18/18 APPROVED: 6/28/79													
Q SCI 497	SP TOPICS IN Q SCI Special Topics in Quantitative Science	AUT/2018 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED: 2/24/06													
Q SCI 498	INTERNSHIP Internship	AUT/2018 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED: 6/13/06													
Q SCI 499	RESEARCH EXPERIENCE Research Experience	AUT/2018 - AUT/9999	1.0-15.0	15.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18 APPROVED: 6/28/73													





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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			
BSE 101	BIOMASS & BIOFUEL Biomass, Biofuels and Bioproducts	AUT/2017 - SUM/2020	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/19/19		APPROVED: 6/06/17											
BSE 101	BIOMASS & BIOFUEL Biomass, Biofuels and Bioproducts	AUT/2020 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/19/20		APPROVED: 6/06/17											
BSE 104	PROD & ENRGY RENEWBL Products and Energy from Renewable Resources	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/25/14		APPROVED: 8/23/00											
				COMMENT:WAS PSE 104													
BSE 150	BIORESOURCE SEMINAR Bioresource Science and Engineering Seminar	AUT/2010 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/22/10		APPROVED:10/24/96											
				COMMENT:WAS PSE 450, CHG TL,CRDT, DESC													
BSE 190	SPECIAL TOPICS Special Topics	AUT/2016 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/12/16		APPROVED:12/21/10											
BSE 201	PULP PAPER &BIOPROD Introduction to Pulp, Paper, and Bioproducts	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10		APPROVED: 3/29/93											
				COMMENT:WAS PSE 201													
BSE 202	PULP & PAPER FIELD Pulp and Paper Lab and Field Studies	WIN/2014 - AUT/9999	1.0	.	CR/NC	.	.	.	Y	.	.	Y	.	.	.	.	.
				LAST UPDT:11/03/17		APPROVED: 2/26/03											
				COMMENT:CHG FEE FEE TYPE:1 \$50.00 BUDGET:069393 REV OBJ CD:943081													
BSE 211	CREATIVITY & SOCIETY Creativity and Society	WIN/2013 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 1/16/13		APPROVED:12/15/05											
				COMMENT:PERM DL													
BSE 231	BSE TECH COMM Technical Communication for Process Engineers	SPR/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 8/16/18		APPROVED: 1/17/17											
BSE 248	PAPER PROPERTIES Paper Properties	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
				LAST UPDT: 5/07/12		APPROVED: 2/26/03											
				COMMENT:EMAIL PREQ CHG													

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COLLEGE : D - Environment  
 DEPARTMENT: ENVIR & FOREST SCIENCES

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			
BSE 309	CREAT INNOVATION Creativity and Innovation	AUT/2010 - AUT/9999	2.0	.	.	.	.	.	.	.	Y	.	.	.	.	BSE 309	CHEM E309	.
	COMMENT:WAS PSE 309																	
BSE 391	ENGR PRIN BIOREFINE Engineering Principles of Biorefineries	AUT/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.			.
BSE 392	BIORESOURCE TRNSPRT Bioresource Transport Phenomena	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.			.
BSE 399	UNDERGRAD INTERNSHIP Undergraduate Internship	AUT/2010 - AUT/9999	1.0-05.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.			.
	COMMENT:WAS PSE 399																	
BSE 406	NAT PROD CHEMISTRY Natural Products Chemistry	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.			.
BSE 410	INDSTR WASTEWATER Industrial Wastewater Treatment and Reduction	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.			.
BSE 420	BSE ENGR I Bioresource Engineering I	WIN/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:CHG TTL, CRDTS, HRS																	
BSE 421	BSE ENGR 2 Bioresource Engineering II	SPR/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.			.
BSE 422	BIORESOURCE ENGR 3 Bioresource Engineering III	SPR/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.			.
	COMMENT:EMAIL PREQ CHG																	
BSE 426	BIORESOURCES LAB Bioresource Laboratory	SPR/2016 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.			.

LAST UPDT: 3/06/15 APPROVED: 3/29/93  
 FEE TYPE:1 \$156.00 BUDGET:069393 REV OBJ CD:943081

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COLLEGE : D - Environment  
 DEPARTMENT: ENVIR & FOREST SCIENCES

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			
BSE 430	PAPERMAKING PROC Papermaking Processes	AUT/2015 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/08/15 APPROVED: 3/29/93 FEE TYPE:1 \$10.00 BUDGET:069393 REV OBJ CD:943081													
BSE 436	PULP & PAPER LAB II Pulp and Paper Laboratory II	AUT/2010 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED: 3/29/93 COMMENT:WAS PSE 479, CHG CREDITS FEE TYPE:1 \$115.00 BUDGET:069393 REV OBJ CD:943081													
BSE 479	PULP & PAPER LAB II PULP AND PAPER LABORATORY II	AUT/2010 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED: 3/29/93 COMMENT:WAS PSE 479 FEE TYPE:1 \$115.00 BUDGET:069393 REV OBJ CD:943081													
BSE 480	BIORESOURCE DSGN I Bioresource Design I	AUT/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
				LAST UPDT: 6/16/10 APPROVED: 3/29/93 COMMENT:WAS PSE 482, CHG TL,CRD,PR,DS													
BSE 481	BIORESOURCE DSGN II Bioresource Design II	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.
				LAST UPDT:10/12/10 APPROVED: 2/03/99 COMMENT:WAS PSE 487, CHG TTL, PRQ													
BSE 488	POLYMER CHEMISTRY POLYMER CHEMISTRY	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10 APPROVED: 3/29/93 COMMENT:WAS PSE 488													
BSE 489	FOREIGN STUDY Foreign Study	AUT/2010 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10 APPROVED: 4/28/04 COMMENT:WAS PSE 489													
BSE 490	SPECIAL TOPICS Special Topics	AUT/2017 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/15/17 APPROVED: 3/29/93													
BSE 491	UNDERGRAD STUDIES UNDERGRADUATE STUDIES	AUT/2010 - AUT/9999	1.0-05.0	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/16/10 APPROVED: 3/29/93 COMMENT:WAS PSE 491													





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COLLEGE : D - Environment  
DEPARTMENT: ENVIR & FOREST SCIENCES

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F				V L R				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U	GRD	E	U	N	E	P	&	N	C	M			
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: 4/24/20 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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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		U N E	P & N C M S N	A S W T P R G	P	S Y S	D H Y P H	M R E	A			
ESRM 423	INT TRADE MKT ENVIR International Trade, Marketing, and the Environment	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE		FEE TYPE:1		\$30.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 425	ECOSYSTEM MGMT Ecosystem Management	AUT/2016 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE		FEE TYPE:1		\$432.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 426	WILDLAND HYDROLOGY Wildland Hydrology	WIN/2014 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
COMMENT:CHG FEE		FEE TYPE:1		\$46.00		BUDGET:069394		REV OBJ CD:943081									
ESRM 427	FOREST LANDSCAPES INTEGRATED MANAGEMENT OF FOREST LANDSCAPES IN A CH	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE		FEE TYPE:1		\$403.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 428	PRINCP SILVICULTURE Principles of Silviculture and Their Application	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE, FEE 3/14		FEE TYPE:1		\$403.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 429	ENV SCI RES MGT SEM Environmental Science and Resource Management Seminar	WIN/2013 - AUT/9999	1.0	6.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:CHG TITLES		FEE TYPE:1		\$80.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 430	REM SENS ENVIRO Remote Sensing of the Environment	WIN/2014 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
COMMENT:10/13 CHG FEE, CHG TITLES		FEE TYPE:1		\$80.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 431	ECOPSYCHOLOGY Ecopsychology	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	ENVIR 431 PSYCH 431
COMMENT:MOVE COLLEGE		FEE TYPE:1		\$80.00		BUDGET:069393		REV OBJ CD:943081									
ESRM 432	ADV REMOTE SENSING Advanced Remote Sensing and Earth Observation	WIN/2020 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	Y	.	.	.	.	CEE 432 CEE 432
COMMENT:MOVE COLLEGE		FEE TYPE:1		\$80.00		BUDGET:069393		REV OBJ CD:943081									

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COLLEGE : D - Environment  
 DEPARTMENT: ENVIR & FOREST SCIENCES

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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
ESRM 433	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													
ESRM 435	INSECT ECOLOGY Insect Ecology	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/15/16 APPROVED:11/20/86													
ESRM 436	LAB INSECT ECOLOGY Laboratory in Insect Ecology	SPR/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/16/16 APPROVED:11/20/86													
				FEE TYPE:1 \$25.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 441	LANDSCAPE ECOLOGY Landscape Ecology	WIN/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED:10/22/87													
	COMMENT:EMAIL PREQ CHG			FEE TYPE:1 \$140.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 442	SIERRA NEVADA ECOL Forest Ecology and the Sierra Nevada and White Mountains	SUM/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/13/17 APPROVED: 3/19/13													
	COMMENT:ADD FEE			FEE TYPE:1 \$586.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 444	FOREST ECOSYST PROT FOREST ECOSYSTEM PROTECTION: INSECTS AND DISEASES	SPR/2011 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/11/12 APPROVED: 9/27/91													
	COMMENT:EMAIL PREQ CHG			FEE TYPE:1 \$60.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 447	WATERSHED ECOL Watershed Ecology and Management	SPR/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	FISH 447	FISH 447	.
				LAST UPDT: 3/03/17 APPROVED: 6/21/99													
				FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081													
ESRM 448	WATERSHED ECOL LAB Watershed Ecology and Management Lab	SPR/2017 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	FISH 448	FISH 448	.
				LAST UPDT:12/07/17 APPROVED: 2/21/17													
				FEE TYPE:1 \$70.00 BUDGET:069602 REV OBJ CD:943081													
ESRM 450	WILD ECOL CONSERV Wildlife Ecology and Conservation	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/23/15 APPROVED: 3/29/93													
	COMMENT:EMAIL PREQ CHG																

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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						
ESRM 451	ANALYT METH WILDLIFE Analytical Methods in Wildlife Science	SUM/2019 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	ESRM 451 Q	SCI 451	.	
				LAST UPDT: 8/20/19 APPROVED: 9/19/17													
ESRM 452	FIELD ORNITHOLOGY Field Ornithology	SUM/2018 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.			.	
				LAST UPDT: 7/31/18 APPROVED: 3/29/93 FEE TYPE:1 \$90.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 453	BIOL & ECOL MAMMALS Biology and Ecology of Mammals	SUM/2019 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.	
				LAST UPDT: 6/13/19 APPROVED: 6/06/17													
ESRM 455	WLF SEMINAR Wildlife Seminar	AUT/2009 - AUT/9999	1.0	8.0	Y	CR/NC	.	.	.	.	Y	.	.			.	
				LAST UPDT:10/12/09 APPROVED:12/18/81 COMMENT:MOVE COLLEGE													
ESRM 456	BIOL & CONS BIRDS Biology and Conservation of Birds	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.	
				LAST UPDT:10/12/09 APPROVED: 3/29/93 COMMENT:EMAIL PREQ CHG - MOVE COLLEGE													
ESRM 457	FISH WILDLIFE TOXIC Fish and Wildlife Toxicology	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	Y	.	.	.	FISH 455	FISH 455	.	
				LAST UPDT:11/02/15 APPROVED: 9/22/97 FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081 COMMENT:MOVE JT COLLEGE													
ESRM 458	MGMT ENDANGERED SPE Management of Endangered, Threatened, and Sensitive Species	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.			.	
				LAST UPDT:10/12/09 APPROVED: 2/25/98 COMMENT:MOVE COLLEGE													
ESRM 459	WILDLF CONS IN NW Wildlife Conservation in Northwest Ecosystems	SPR/2014 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.			.	
				LAST UPDT: 1/09/14 APPROVED:12/06/93 FEE TYPE:1 \$558.00 BUDGET:069393 REV OBJ CD:943081 COMMENT:CHG FEE													
ESRM 460	PWR PRIV & PRSERV Power, Privilege, and Preservation	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	ENVIR 460	ENVIR 460	.	
				LAST UPDT: 9/16/15 APPROVED: 4/15/18													



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 DEPARTMENT: ENVIR & FOREST SCIENCES

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				-ALL U	GRD	E	D	U N E	M R E	P & A	N S W	C M T	E C P	Q S R	G			
ESRM 461	FOR MGT ECONOMICS Forest Management and Economics	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT:10/14/09				APPROVED: 1/01/87										
ESRM 462	RESTORATION ECOL 1 Restoration Ecology Capstone: Introduction	AUT/2017 - AUT/9999	2.0	.	.	13	.	.	Y	.	.	Y	.	.	.	.	ESRM 462 BES 462	.
				LAST UPDT:12/22/16				APPROVED: 8/23/00										
				FEE TYPE:1 \$44.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 463	RESTORATION ECOL 2 Restoration Ecology Capstone: Proposal and Plan	AUT/2017 - AUT/9999	3.0	.	.	23	.	.	Y	.	.	Y	.	.	.	.	ESRM 463 T BIOL463	.
				LAST UPDT: 1/10/17				APPROVED: 8/23/00										
				FEE TYPE:1 \$42.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 464	RESTORATION ECOL 3 Restoration Ecology Capstone: Field Site Restoration	AUT/2017 - AUT/9999	5.0	.	.	33	.	.	Y	.	.	Y	.	.	.	.	ESRM 464 BES 464	.
				LAST UPDT: 1/18/17				APPROVED: 8/23/00										
				FEE TYPE:1 \$44.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 465	ECON OF CONSERV Economics of Conservation	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.	.	
				LAST UPDT:10/14/09								COMMENT:MOVE COLLEGE						
ESRM 468	FOREST OPERATIONS Forest Operations	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.	
				LAST UPDT:11/07/14								COMMENT:MOVE COLLEGE						
				FEE TYPE:1 \$52.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 470	NAT RES POL & PLAN Natural Resource Policy and Planning	WIN/2014 - AUT/9999	5.0	.	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	
				LAST UPDT: 5/05/17				APPROVED: 3/01/88										
				FEE TYPE:1 \$11.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 471	URBAN FOR LANDSCAPE URBAN FOREST LANDSCAPES	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	
				LAST UPDT: 2/07/14				APPROVED: 3/29/05										
				FEE TYPE:1 \$30.00				BUDGET:069393				REV OBJ CD:943081						
ESRM 472	WETLAND ECOLOGY Wetland Ecology and Management	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	.	
				LAST UPDT: 9/22/14				APPROVED: 3/28/91										
				FEE TYPE:1 \$35.00				BUDGET:069393				REV OBJ CD:943081						
				COMMENT:10-12 REC PREQ CHG														



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 DEPARTMENT: ENVIR & FOREST SCIENCES

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
ESRM 491	FIELD STUDIES Field Studies	AUT/2017 - AUT/9999	1.0-05.0	10.0	.	.	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT: 2/07/17 APPROVED: 2/17/09 FEE TYPE:1 \$189.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 494	CAPSTONE PROPOSAL Senior Capstone Proposal	WIN/2010 - AUT/9999	5.0	.	.	12	.	.	Y	.	.	.	.	Y	.	.	.
				LAST UPDT: 9/19/12 APPROVED:12/20/04 FEE TYPE:1 \$547.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 495	SENIOR PROJECT Senior Project	WIN/2010 - AUT/9999	5.0	.	.	22	.	.	.	.	.	.	.	Y	.	.	.
				LAST UPDT: 1/20/10 APPROVED: 4/28/04 COMMENT:CHG HYPHEN													
ESRM 496	SENIOR THESIS Senior Thesis	WIN/2010 - AUT/9999	5.0	.	.	22	.	.	.	.	.	.	.	Y	.	.	.
				LAST UPDT: 1/20/10 APPROVED: 4/28/04 COMMENT:CHG HYPHEN													
ESRM 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 4/28/04 COMMENT:MOVE COLLEGE													



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 DEPARTMENT: ENVIR & FOREST SCIENCES

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				-ALL U	GRD		U	N	E	P	& N	C	M	S			
SEFS 508	PLANT MODELING Plant Process and Systems Modeling	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED: 6/05/18											
SEFS 509	ANALYS RSRCH PROBLM Analysis of Research Problems	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 8/24/05											
				COMMENT:WAS CFR 509													
SEFS 510	GD STDYS FOR SOILS Graduate Studies in Forest Soils	WIN/2013 - AUT/9999	1.0-05.0	15.0	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/27/12		APPROVED: 3/29/93											
				COMMENT:CHG FEE													
				FEE TYPE:1		\$55.00		BUDGET:069393		REV		OBJ		CD:943081			
SEFS 512	BIOGEO CYCLES SOIL Biogeochemical Cycling in Soils and Forest Ecosystems	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 6/20/94											
				COMMENT:WAS CFR 512													
SEFS 513	ADV SOIL GENESIS CL Advanced Soil Genesis and Classification	AUT/2012 - AUT/9999	5.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/12		APPROVED:											
				FEE TYPE:1		\$173.00		BUDGET:069393		REV		OBJ		CD:943081			
				COMMENT:WAS CFR 513													
SEFS 514	ADV F SOIL FERT&CHM Advanced Forest Soil Fertility and Chemistry	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 5/01/86											
				COMMENT:WAS CFR 514													
SEFS 515	ADV SOIL,PLT ANLYS Advanced Soil and Plant Analysis	SPR/2014 - AUT/9999	3.0	.	.	.	Y	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/09/14		APPROVED:12/07/89											
				FEE TYPE:1		\$85.00		BUDGET:069393		REV		OBJ		CD:943081			
				COMMENT:CHG FEE													
SEFS 519	SUSTAIN RESEARCH Conducting Financial, Environmental, and Social Responsibility Performance Research	AUT/2012 - AUT/9999	3.0	12.0	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/18/18		APPROVED:											
				FEE TYPE:1		\$50.00		BUDGET:069393		REV		OBJ		CD:943081			
				COMMENT:WAS CFR 519													
SEFS 520	GEOG INFO SYSTEMS Geographic Information Systems in Forest Resources	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 4/28/06											
				COMMENT:WAS CFR 520													



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 DEPARTMENT: ENVIR & FOREST SCIENCES

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				-ALL U	GRD		U N E	P	N	C	M	S	N				
SEFS 530	INTRO REST ECOL Introduction to Restoration Ecology	AUT/2015 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/12/17 APPROVED: 3/17/15 FEE TYPE:1 \$15.00 BUDGET:069393 REV OBJ CD:943081													
SEFS 532	ADV REMOTE SENSING Advanced Remote Sensing and Earth Observation	WIN/2020 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	CEWA 532	CEWA 532	.
				LAST UPDT: 9/20/19 APPROVED: 9/17/19													
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	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/14/14 APPROVED: 5/25/05 COMMENT:CHG CREDITS, 3/14 FEE 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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11 APPROVED: 2/15/11 COMMENT:WAS CRF 540													
SEFS 541	ADV LANDSCAPE ECOL Advanced Landscape Ecology	WIN/2013 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/25/14 APPROVED:11/20/07 COMMENT:CHG DESC FEE TYPE:1 \$140.00 BUDGET:069393 REV OBJ CD:943081													
SEFS 545	PRINCIP FOR ENTOMOL PRINCIPLES OF FOREST ENTOMOLOGY	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/11/12 APPROVED: 6/01/89 COMMENT:WAS CFR 545													
SEFS 549	URBAN HORT SEMINAR Urban Horticulture Seminar	AUT/2012 - AUT/9999	1.0	6.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11 APPROVED: 6/23/89 COMMENT:WAS CFR 549													
SEFS 550	GRADUATE SEMINAR Graduate Seminar	AUT/2012 - AUT/9999	2.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/29/12 APPROVED: 9/19/94 COMMENT:WAS CFR 550													









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					-ALL U	GRD	E		P & N	C	M	S			
SMEA 485	PACIFIC TOURISM Pacific Recreation and Tourism Issues	AUT/2020 - AUT/9999		3.0	.	.	.	.	. Y	.	.	.	.	.	.
					LAST UPDT: 6/24/20		APPROVED: 12/11/02								
SMEA 499	UNDERGRAD RESEARCH Undergraduate Research	WIN/2012 - AUT/9999		1.0-15.0	15.0	Y	.	.	.	.	.	.	.	.	.
					LAST UPDT: 9/13/11		APPROVED: 6/28/73								
					COMMENT: WAS SMA 499										
SMEA 500	HUMAN DIMENSIONS Introduction to the Human Dimensions of Global Change	AUT/2012 - SUM/2020		3.0	.	.	.	. Y	.	.	.	.	.	.	.
					LAST UPDT: 5/27/20		APPROVED: 11/15/79								
					COMMENT: 12-14 DESC CHG										
					FEE TYPE: 1		\$45.00 BUDGET: 099605 REV OBJ CD: 943081								
SMEA 500	HUMAN DIMENSIONS Introduction to the Human Dimensions of Global Change	AUT/2020 - AUT/9999		3.0	.	.	.	. Y	.	.	.	.	.	.	.
					LAST UPDT: 5/27/20		APPROVED: 11/15/79								
					FEE TYPE: 1		\$45.00 BUDGET: 099605 REV OBJ CD: 943081								
SMEA 501	MAR AFFAIRS PRACTICE Integrated Marine Affairs Practice	AUT/2012 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/12/12		APPROVED: 2/25/02								
					COMMENT: 12-14 DESC CHG										
SMEA 502	APPLIED MAR AFFAIRS Decision Making and Action Taking in Marine Affairs	SPR/2012 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/23/15		APPROVED: 2/28/12								
SMEA 506	INTL LAW OF SEA International Law of the Sea	SPR/2013 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/21/13		APPROVED: 5/29/75								
					COMMENT: DROP JT STATUS										
SMEA 507	INTL ORGS OCEAN MGT International Organizations and Ocean Management	AUT/2016 - AUT/9999		3.0	.	.	.	.	.	.	.	.	SMEA 507	PUBPOL538	.
					LAST UPDT: 10/29/15		APPROVED: 5/29/75								
SMEA 508	NAT'L MAR POL PROCS National Marine Policy Processes	WIN/2012 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 9/07/11		APPROVED: 9/18/85								
					COMMENT: WAS SMA 508										



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				-ALL U	GRD		U N E	P & N C M S N	A S W T P R G								
SMEA 521	CLIMATE CHG GOVERN Climate Change Governance	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/25/17		APPROVED: 2/25/02											
SMEA 523	INT SCI TECH POL International Science and Technology Policy	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS SMA 523			LAST UPDT: 9/07/11		APPROVED: 2/25/02											
SMEA 525	MPA MGT & SCI Marine Protected Area Management and Science	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS SMA 525			LAST UPDT: 9/07/11		APPROVED: 2/25/02											
SMEA 530	DEVELOPM & ENVIRONM Development and the Environment	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS SMA 530			LAST UPDT: 9/07/11		APPROVED: 8/24/10											
SMEA 536	MICROECON MAR AFF Applied Microeconomics for Marine Affairs	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS SMA 536			LAST UPDT: 9/07/11		APPROVED: 3/29/93											
SMEA 537	MARINE POLICY ECON Economic Aspects of Marine Policy	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	SMEA 537 ECON	537	.	.
	COMMENT:WAS SMA 537			LAST UPDT: 9/07/11		APPROVED: 6/26/75											
SMEA 538	MARINE RES ECON Economics of Living Marine Resources	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	SMEA 538 ECON	538	.	.
	COMMENT:WAS SMA 538			LAST UPDT: 9/07/11		APPROVED:12/08/77											
SMEA 539	US FISH MGT POL U.S. Fisheries Management and Policy	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	SMEA 539 FISH	539	.	.
				LAST UPDT: 7/14/15		APPROVED: 9/17/13											
SMEA 540	MAR RESOURCE PLAN International Strategic Planning for Marine Resources	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 DESC CHG			LAST UPDT: 7/12/12		APPROVED: 1/27/83											

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					-ALL	U		GRD	E	U	N	E	P	&	N			
SMEA 550	SPECIAL TOPICS Special Topics in Marine Studies	WIN/2012 - AUT/9999	1.0-03.0	18.0	Y	.	.	.	.	Y	.	.	.	.	.	.	.	.
	COMMENT:WAS SMA 550																	
SMEA 555	MAR BUSINESS PACIFIC COMPARATIVE MARINE BUSINESS IN THE NORTH PACIFIC	AUT/2012 - AUT/9999	3.0			.	.	.	.	.	.	.	.	.	.	.	.	JSIS D555 JSIS D555
	COMMENT:CHG JT STATUS																	
SMEA 570	THESIS PRESENTATION Thesis Presentation	WIN/2012 - AUT/9999	1.0			.	CR/NC	.	.	.	.	.	.	.	.	.	.	
	COMMENT:WAS SMA 570																	
SMEA 571	NON-THESIS SEMINAR Non-Thesis Seminar	SPR/2012 - AUT/9999	1.0			.	CR/NC	.	.	.	.	.	.	.	.	.	.	
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																	
SMEA 582	FISH MGMT CONTEMP FISHERY MANAGEMENT:CONTEMPORARY ISSUES	WIN/2012 - AUT/9999	5.0			.	.	.	.	.	.	.	.	.	.	.	.	SMEA 582 FISH 582
	COMMENT:WAS SMA 582																	
SMEA 583	RESEARCH DESIGN Research Design	WIN/2018 - AUT/9999	3.0			.	.	.	.	.	.	.	.	.	.	.	.	
SMEA 584	MAR&ENVIR STATISTICS Statistics for Marine and Environmental Policy	AUT/2017 - AUT/9999	3.0			.	.	.	.	.	.	.	.	.	.	.	.	
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																	ENVIR 585 ESS 585

