

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 966

COLLEGE : D - Environment
 DEPARTMENT: AQUA & FISH SCI

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	D	U N E	M R E	P & A	N S W	C M T	E C P	Q S R	G			
FISH 101	WATER AND SOCIETY Water and Society	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 2/10/10														
				COMMENT:CHG TITLES, DESC														
FISH 161	INTRO BIOL I INTRODUCTION TO BIOLOGY I	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	FISH 161	ESRM 161	.
				LAST UPDT:12/11/12 APPROVED: 8/19/08														
				COMMENT:MOVE COLLEGE														
FISH 162	INTRO BIOL II INTRODUCTION TO BIOLOGY II	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	ESRM 162	ESRM 162	.
				LAST UPDT:12/11/12 APPROVED: 8/19/08														
				COMMENT:MOVE COLLEGE														
FISH 210	FISH RESEARCH MTHDS RESEARCH METHODS IN AQUATIC AND FISHERY SCIENCES	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT:12/11/12														
				FEE TYPE:1 \$50.00 BUDGET:069602 REV OBJ CD:943081														
FISH 221	MICROBE ECOL & EVOL Ecology and Evolution of the Microbe	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 7/25/14 APPROVED: 9/20/07														
				COMMENT:MOVE COLLEGE														
FISH 230	ECONOMICS FISH&OCN Economics of Fisheries and Oceans	SUM/2014 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	FISH 230	ECON 230	.
				LAST UPDT: 6/04/14 APPROVED: 2/18/14														
				COMMENT:ADD JT STATUS														
FISH 250	MARINE BIOLOGY Marine Biology	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	.	.	.	.	.	.	.	.	FISH 250	OCEAN 250	.
				LAST UPDT: 7/23/15 APPROVED: 2/21/01														
				FEE TYPE:1 \$75.00 BUDGET:069602 REV OBJ CD:943081														
FISH 260	RECRTNL FISHERIES Recreational Fisheries: Science, Management, and Policy	SPR/2014 - AUT/9999	3.0-05.0	.	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT: 1/22/14 APPROVED: 1/21/14														
FISH 261	REC FISH SEMINAR Recreational Fisheries Seminar	SPR/2017 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.			.
				LAST UPDT:11/29/16 APPROVED:11/15/16														

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 967

COLLEGE : D - Environment
 DEPARTMENT: AQUA & FISH SCI

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
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																	
COMMENT:12-14 DESC CHG FEE TYPE:1 \$50.00 BUDGET:029357 REV OBJ CD:943081																	
FISH 312	FISH ECOLOGY Fisheries Ecology	WIN/2017 - AUT/9999	3.0-05.0	.	.	.	.	.	Y	.	Y	.	.	.	.	.
LAST UPDT:12/02/16 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																	

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 968

COLLEGE : D - Environment
 DEPARTMENT: AQUA & FISH SCI

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	A S W T P R G						
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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 970

COLLEGE : D - Environment
 DEPARTMENT: AQUA & FISH SCI

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T	
				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
FISH 450	SAL BEHAV LIFE HIST Salmonid Behavior and Life History	SPR/2010 - AUT/9999	3.0-05.0	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																	
FISH 452	MARINE GIS Marine Geospatial Information Science	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	OCEAN 452	OCEAN 452
FISH 453	GEOSPTL PTRN ANLYS Geospatial Pattern Analysis and Geostatistics	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	OCEAN 453	OCEAN 453
FISH 454	ECOLOGICAL MODELING Ecological Modeling	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	FISH 454 Q	SCI 454
FISH 455	FISH WILDLIFE TOXIC Fish and Wildlife Toxicology	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	FISH 455	ESRM 457
FISH 458	MODEL/ESTIM RES MGT Modeling and Estimation in Conservation and Resource Management	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	FISH 458 Q	SCI 458
FISH 461	RES ECON MGMT PLCY Resource Economics for Management and Policy	AUT/2015 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.
FISH 464	ARCTIC MARINE ECOL Arctic Marine Vertebrate Ecology	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	Y	.	.	.	.
FISH 473	LIMNOLOGY Limnology	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	FISH 473	BIOL 473
FISH 474	LIMNOLOGY LAB Limnology Laboratory	SPR/2010 - AUT/9999	2.0	.	.	.	.	.	Y	.	.	Y	.	.	.	.	FISH 474	BIOL 474
	COMMENT:MOVE COLLEGE																CEE	463

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 972

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		U	GRD	E	U	N	E	P	& N			
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													

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 974

COLLEGE : D - Environment
DEPARTMENT: AQUA & FISH SCI

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER	D	S H F	L I	V	E E W	RESPONS	JOINT	O
					-ALL	U								GRD	E	U N E	P & N C M S N	COURSE	COURSES	M
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								

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 975

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		U	GRD	E	U	N	E	P	& N			
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											

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 977

COLLEGE : D - Environment
 DEPARTMENT: ATMOSPHERIC

CURRIC	NUM	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	101	WEATHER Weather	WIN/2013	- AUT/9999	5.0	.	.	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 1/16/13													
COMMENT:END DL																			
ATM S	103	HURRICANE SCIENCE Hurricanes and Thunderstorms: Their Science and Impact	SPR/2014	- AUT/9999	3.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.
						LAST UPDT:11/20/13 APPROVED:11/19/13													
ATM S	111	GLOBAL WARMING Global Warming: Understanding the Issues	AUT/2012	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.
						LAST UPDT: 6/20/12 APPROVED: 1/15/08													
COMMENT:ADD AOK																			
ATM S	211	CLIMATE CHANGE Climate and Climate Change	SPR/2018	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	Y	.	.	.	.
						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	.	.	.	.	.	.	.	Y	Y	.	.	.	.
						LAST UPDT: 9/05/12 APPROVED: 3/29/06													
COMMENT:ADD AOK																			
ATM S	220	EXPLORING ATMOS SCI Exploring the Atmospheric Sciences	WIN/2013	- AUT/9999	1.0	2.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.
						LAST UPDT: 7/23/15 APPROVED: 6/21/11													
COMMENT:CHG MAX CREDITS																			
ATM S	290	WEATHER CHALLENGE The Weather Challenge	AUT/2015	- AUT/9999	1.0	8.0	.	CR/NC	.	.	.	.	.	Y	.	.	.	.
						LAST UPDT: 8/05/15 APPROVED: 3/19/13													
ATM S	301	INTRO TO ATMOSPH SC Introduction to Atmospheric Sciences	AUT/2009	- AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 8/12/09													
COMMENT:MOVE COLLEGE																			
ATM S	321	SCIENCE OF CLIMATE The Science of Climate	AUT/2009	- AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.
						LAST UPDT: 8/12/09													
COMMENT:MOVE COLLEGE																			

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 979

COLLEGE : D - Environment
 DEPARTMENT: ATMOSPHERIC

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	D	U N E	M R E	P & A	N C S	E C M	Q S N					
ATM S 442	ATMOS MOTIONS II Atmospheric Motions II	AUT/2009 - AUT/9999	5.0	Y
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED: 2/22/90										
ATM S 444	ENSEMBLE PRED SYS Design and Application of Ensemble Prediction Systems	AUT/2013 - AUT/9999	4.0	Y	
COMMENT:CHG PREQ				LAST UPDT: 3/21/13				APPROVED: 1/18/11										
ATM S 451	INSTRUMENTS OBS Instruments and Observations	WIN/2014 - AUT/9999	5.0	Y	.	.	Y	
COMMENT:CHG FEE				LAST UPDT:10/26/16				APPROVED: 1/24/96				FEE TYPE:1 \$66.00 BUDGET:069119 REV OBJ CD:943081						
ATM S 452	FORECASTING LAB Weather Forecasting and Advanced Synoptic Meteorology	AUT/2013 - AUT/9999	5.0	Y	
COMMENT:CHG PREQ				LAST UPDT: 3/22/13														
ATM S 458	AIR POLLUTION CHEM Air Pollution Chemistry	AUT/2012 - AUT/9999	4.0	Y	.	.	.	ATM S 458 CHEM 458	.	
COMMENT:CHG TITLES, DESC, PREQ				LAST UPDT: 7/03/12														
ATM S 460	WATER IN ENVIRONMNT Water in the Environment	AUT/2009 - AUT/9999	3.0	Y	.	.	ESS 424 PHYS 460	.		
COMMENT:MOVE COLLEGE				LAST UPDT: 6/11/19				APPROVED: 2/25/00				ESS 424						
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	.		
COMMENT:CHG PREQ				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	
COMMENT:CHG PREQ				LAST UPDT: 4/16/13				APPROVED: 3/16/13										

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 987

COLLEGE : D - Environment
 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	M R 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 410	MESA TUTOR WRKSH P MESA Introductory Tutor Training Workshop	AUT/2014 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14										
C ENV 420	MESA TUTOR SEMNR MESA Introductory Tutor Training Seminar	AUT/2014 - AUT/9999	1.0-02.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14										
C ENV 425	MESA TUTORING MESA Tutoring Practicum	AUT/2014 - AUT/9999	1.0-03.0	15.0	.	CR/NC	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14										
C ENV 430	MESA ADV TUTOR SEM MESA Advanced Tutor Training Seminar	AUT/2014 - AUT/9999	1.0-02.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/16/14		APPROVED: 4/15/14										
C ENV 490	SPECIAL TOPICS Special Topics in Environment	WIN/2011 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/19/10		APPROVED:10/19/10										
C ENV 500	COM SCI TO PUBLIC Communicating Science to the Public Effectively	WIN/2013 - AUT/9999	3.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/30/12		APPROVED: 9/18/12										
C ENV 590	SPECIAL TOPICS Special Topics in Environment	WIN/2011 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/19/10		APPROVED:10/19/10										

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 989

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	E	U	N	E	P	& N	C				M	S	N
ENVIR 100	INTRO ENV STUDIES Introduction to Environmental Studies	WIN/2016 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 10/22/15			APPROVED: 1/25/06										.	
ENVIR 103	SOCIETY & THE OCEANS Society and the Oceans	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	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	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	Y	.
				LAST UPDT: 9/12/19			APPROVED: 3/29/06										.	
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														
ENVIR 235	INTRO ENVIRO ECON Introduction to Environmental Economics	AUT/2009 - AUT/9999	5.0	Y	Y	.	.	.	ESRM 235	ECON 235	.
				LAST UPDT: 7/23/15			APPROVED: 2/19/08								ESRM 235		.	
				COMMENT:MOVE COLLEGE														
ENVIR 239	SUSTAINABLE CHOICES Sustainability: Personal Choices, Broad Impacts	AUT/2014 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 3/30/18			APPROVED: 6/03/14										.	
				FEE TYPE:1 \$50.00 BUDGET:069240 REV OBJ CD:943081														
ENVIR 240	THE URBAN FARM The Urban Farm	SPR/2014 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 2/10/15			APPROVED: 3/18/14										.	
				FEE TYPE:1 \$30.00 BUDGET:069240 REV OBJ CD:943081														

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 990

COLLEGE : D - Environment
 DEPARTMENT: PROG ON THE ENVIRON

COURSE CURRIC NUM	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	D	U N E	M R E	P & A	N C W	E C M T	Q S N					
ENVIR 243	ENVIRONMENTAL ETHICS Environmental Ethics	AUT/2014 - AUT/9999	5.0	Y	Y	.	.	PHIL 243	PHIL 243	.	
COMMENT:14-16 AOK				LAST UPDT: 8/05/14				APPROVED: 5/17/06										
ENVIR 250	RES METHODS ENV ST Research Methods in Environmental Studies	WIN/2016 - AUT/9999	5.0	Y	.	.	Y	.	Y	.			.	
LAST UPDT:10/22/15 APPROVED: 9/15/09				FEE TYPE:1 \$10.00 BUDGET:069240				REV OBJ CD:943081										
ENVIR 260	PUGET ECOSYSTEM THE PUGET SOUND ECOSYSTEM	SPR/2010 - AUT/9999	3.0-05.0	5.0	Y	Y	.	.	OCEAN 260	OCEAN 260	.	
COMMENT:MOVE JT COLLEGE				LAST UPDT: 2/10/10				APPROVED:11/21/05										
ENVIR 280	NAT HIST PUGET SOUND Natural History of the Puget Sound Region	WIN/2016 - AUT/9999	5.0	Y	.	.	Y	
LAST UPDT:11/29/16 APPROVED: 1/17/12				FEE TYPE:1 \$90.00 BUDGET:069240				REV OBJ CD:943081										
ENVIR 295	SPECIAL TOPICS Special Topics in Environmental Studies	WIN/2016 - AUT/9999	1.0-05.0	10.0	
LAST UPDT:10/22/15 APPROVED:10/20/15																		
ENVIR 296	STUDY ABROAD Study Abroad - Environmental Studies	AUT/2009 - AUT/9999	1.0-15.0	15.0	
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09				APPROVED: 6/13/06										
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												HSTAA 308						
ENVIR 313	ENVIR EARTH SCI Environmental Earth Science	AUT/2009 - SPR/2020	5.0	Y	.	.	Y	.	.	ESS 315	ESS 315	.		
COMMENT:MOVE COLLEGE				LAST UPDT: 1/07/20				APPROVED: 3/01/76				FEE TYPE:1 \$20.00 BUDGET:068353						
												REV OBJ CD:943081						

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 991

COLLEGE : D - Environment
 DEPARTMENT: PROG ON THE ENVIRON

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F				V L E E W				RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U	GRD	E	U	N	E	P	N	C	M	S				N
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														
				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	.	.	.	ESRM 362	ESRM 362	.
				LAST UPDT: 7/23/15 APPROVED: 1/31/01														
				FEE TYPE:1 \$25.00 BUDGET:069393 REV OBJ CD:943081														
ENVIR 371	ANTH OF DEVELOP Anthropology of Development	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	ANTH 371	ANTH 371	.
				LAST UPDT: 8/12/09 APPROVED: 2/25/00														
				COMMENT:MOVE COLLEGE														
ENVIR 379	ENVIRON SOCIOLOGY Environmental Sociology	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	ESRM 371	ESRM 371	.
				LAST UPDT: 8/12/09 APPROVED:11/01/86														
				COMMENT:MOVE COLLEGE														

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 992

COLLEGE : D - Environment
 DEPARTMENT: PROG ON THE ENVIRON

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	MAX	P	SYS	D	HYPH	M R E					
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																
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																
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																				
ENVIR 417	ENVIRONMENTAL PHIL Advanced Topics in Environmental Philosophy	AUT/2009 - AUT/9999	5.0	PHIL 417	PHIL 417	.
				LAST UPDT: 8/12/09 APPROVED:10/25/06																
COMMENT:MOVE COLLEGE																				
ENVIR 418	COM & ENVIRONMENT Communication and the Environment	AUT/2015 - AUT/9999	5.0	COM 418	COM 418	.
				LAST UPDT: 8/19/15 APPROVED: 9/28/98																
ENVIR 431	ECOPSYCHOLOGY Ecopsychology	AUT/2015 - AUT/9999	5.0	ENVIR 431	PSYCH 431	.
				LAST UPDT: 7/23/15 APPROVED: 6/02/15												ESRM 431				
ENVIR 433	ENVIR DEGRAD TROPIC Environmental Degradation in the Tropics	AUT/2012 - AUT/9999	5.0	JSIS B433	JSIS B433	.
				LAST UPDT:11/14/13 APPROVED:10/29/03												SMEA 433				
COMMENT:CHG JT STATUS																				

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 993

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	E	U N E	P & N	C M S N	A S W T P R G	A S W T P R G	A S W T P R G	A S W T P R G	A S W T P R G	A S W T P R G				
ENVIR 439	SUSTAINABLE SOCIETY Attaining a Sustainable Society	WIN/2014 - AUT/9999	3.0
				LAST UPDT: 8/21/13 APPROVED: 6/21/99															
				COMMENT:DROP JT STATUS, CHG CREDITS															
ENVIR 440	ENVIR PEDADGOY Environmental Pedagogy	AUT/2014 - AUT/9999	3.0
				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
				LAST UPDT:12/11/12 APPROVED: 2/25/00															
				COMMENT:MOVE COLLEGE															
ENVIR 459	CLTR ECOL & POLITICS Culture, Ecology, and Politics	AUT/2009 - AUT/9999	5.0
				LAST UPDT: 2/19/15 APPROVED: 6/21/99															
				COMMENT:MOVE COLLEGE															
ENVIR 460	PWR PRIV & PRSERV Power, Privilege, and Preservation	AUT/2015 - AUT/9999	5.0
				LAST UPDT: 9/16/15 APPROVED: 4/15/18												ENVIR 460 ESRM 460 .			
				COMMENT:MOVE COLLEGE															
ENVIR 475	ENV IMPACT SML SOC ENVIRONMENTAL IMPACTS OF SMALL SCALE SOCIETIES	AUT/2009 - AUT/9999	5.0
				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
				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
				LAST UPDT: 2/10/10 APPROVED:11/30/00												FISH 478 BIOL 478 .			
				COMMENT:MOVE JT COLLEGE												FISH 478			
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															

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 994

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		E	U N E	P	& N C M S N	A S W T P R G						
ENVIR 485	EVN PLAN&PERMITTING Environmental Planning and Permitting in Practice	AUT/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	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											
ENVIR 495	ADVANCED TOPICS Advanced Topics in Environmental Studies	SPR/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/29/19		APPROVED:12/30/98											
				COMMENT:WAS ENVIR 450; CHG TTL, DESC													
ENVIR 496	ADV STUDY ABROAD Study Abroad - Advanced Environmental Studies	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09		APPROVED: 8/08/06											
				COMMENT:MOVE COLLEGE													
ENVIR 497	ENVIR STUDIES SEMR Seminar in Environmental Studies	AUT/2012 - AUT/9999	1.0-03.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/12/12		APPROVED:10/25/06											
				COMMENT:12-14 DESC CHG													
ENVIR 498	INDEPENDENT STUDY Independent Study	AUT/2012 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/12/12		APPROVED:12/30/98											
				COMMENT:12-14 DESC CHG													
ENVIR 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09		APPROVED:10/25/06											
				COMMENT:MOVE COLLEGE													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 996

COLLEGE : D - Environment
 DEPARTMENT: EARTH AND SPACE 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	S				N
ESS 100	DINOSAURS Dinosaurs	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/10/19				APPROVED: 1/01/82				FEE TYPE:1 \$20.00 BUDGET:068343 REV OBJ CD:943081						
ESS 103	MINERALS AND GEMS Minerals and Gems	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/19				APPROVED: 9/24/01				FEE TYPE:1 \$11.00 BUDGET:069340 REV OBJ CD:943081						
ESS 104	PREHISTORIC LIFE Prehistoric Life	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09				APPROVED: 4/28/03										
ESS 115	INTRO ASTROBIOLOGY Astrobiology: Life in the Universe	SPR/2010 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 11/27/19				APPROVED: 2/27/04				ASTBIO115 OCEAN 115						
												ASTR 115 BIOL 114 ASTBIO 115						
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										

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 998

COLLEGE : D - Environment
 DEPARTMENT: EARTH AND SPACE 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	D	U N E	M R E	P & A	N S W	C M T	E C P	Q S R	G			
ESS 212	EARTH MATERIALS Earth Materials and Processes	AUT/2019 - SPR/2020	5.0	.	.	.	.	. . Y	.	.	. . Y	.	.	.	.	.	.	.
				LAST UPDT: 1/03/20 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:068347 REV OBJ CD:943081														
ESS 212	TECT & MATLS EARTH Plate Tectonics and Materials of the Earth	SUM/2020 - AUT/9999	5.0	.	.	.	.	. . Y	.	.	. . Y	.	.	.	.	.	.	.
				LAST UPDT: 1/03/20 APPROVED: 9/22/97 FEE TYPE:1 \$75.00 BUDGET:068347 REV OBJ CD:943081														
ESS 213	EVOLUTION OF EARTH Evolution of the Earth	AUT/2019 - AUT/9999	5.0	.	.	.	.	. . Y	.	.	. . Y	.	.	.	.	.	.	.
				LAST UPDT: 4/03/19 APPROVED: 9/22/97 FEE TYPE:1 \$40.00 BUDGET:068348 REV OBJ CD:943081														
ESS 230	RIVERS AND BEACHES Rivers and Beaches	SPR/2010 - AUT/9999	3.0-05.0	.	.	.	.	. . Y	.	.	. . Y	.	.	.	.	ESS 230	OCEAN 230	.
				LAST UPDT: 1/10/19 APPROVED: 4/28/03 FEE TYPE:1 \$50.00 BUDGET:068349 REV OBJ CD:943081 COMMENT:MOVE JT COLLEGE														
ESS 290	SPECIAL TOPICS Special Topics	WIN/2017 - AUT/9999	1.0-10.0	20.0	.	.	.	.	.	.	. . Y	.	.	.	.	.	.	.
				LAST UPDT: 5/11/17 APPROVED: 6/07/16														
ESS 301	GEOL OF NORTHWEST Geology of the Northwest	AUT/2009 - SPR/2020	5.0	.	.	.	.	. . Y	.	.	. . Y	.	.	.	.	.	.	.
				LAST UPDT: 1/07/20 FEE TYPE:1 \$25.00 BUDGET:068350 REV OBJ CD:943081 COMMENT:MOVE COLLEGE														
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 COMMENT:MOVE COLLEGE														
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														

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,000

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		U N E	P	& N C M S N	A	S	W	T	P				R	G
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	AUT/2009 - SPR/2020	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 COMMENT:MOVE COLLEGE													
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 COMMENT: DING													
ESS 326	GEOMORPHOLOGY Geomorphology	AUT/2012 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/10/19 APPROVED: 2/25/98 FEE TYPE:1 \$30.00 BUDGET:068354 REV OBJ CD:943081 COMMENT:CHG PREQ													
ESS 345	MINERAL DEPOSITS The Environment of Fuel and Mineral Deposits	SPR/2012 - SPR/2020	3.0	.	.	.	.	Y	.	.	Y	Y	.	.	.	.	.
				LAST UPDT: 1/07/20 APPROVED: 9/24/01 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081 COMMENT:EMAIL PREQ CHG													
ESS 345	MINERAL DEPOSITS The Environment of Fuel and Mineral Deposits	SUM/2020 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	Y	.	.	.	.	.
				LAST UPDT: 1/07/20 APPROVED: 9/24/01 FEE TYPE:1 \$50.00 BUDGET:069340 REV OBJ CD:943081													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,001

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 400	FIELD GEOLOGY Field Geology	AUT/2009 - SPR/2020	12.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 1/06/20		APPROVED: 3/01/89											
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/2019 - SPR/2020	12.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/06/20		APPROVED: 1/22/19											
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	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
	Science Teachers: Solid Earth			LAST UPDT:12/14/17		APPROVED: 2/25/02											
	COMMENT:MOVE COLLEGE																
ESS 408	GREAT ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/17/17		APPROVED: 3/29/06											
	COMMENT:MOVE COLLEGE																
ESS 410	MAR GEOL AND GEOPHY Marine Geology and Geophysics	WIN/2018 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.	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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,002

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		U	N	E	P	N	C	M	S				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

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,003

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			
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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,005

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	P	SYS	D HYPH	M R E				A	S	W	T	P	R	G
ESS 449	PALEOBIO FIELD RSRCH Paleobiology Field Methods and Research	WIN/2019 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	Y	.	.	.	.	BIOL 475	BIOL 475	.
				LAST UPDT: 8/07/18 APPROVED:12/21/10													
				FEE TYPE:1 \$120.00 BUDGET:069377 REV OBJ CD:943081													
ESS 450	PALEOBIOLOGY Paleobiology	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	.			.
				LAST UPDT: 8/06/12 APPROVED: 2/01/82													
				COMMENT:MOVE COLLEGE FEE TYPE:1 \$20.00 BUDGET:069340 REV OBJ CD:943081													
ESS 451	INVERT PALEONTOLOGY Invertebrate Paleontology	WIN/2013 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	ESS 451	BIOL 451	.
				LAST UPDT: 3/11/16 APPROVED: 2/25/02													
				COMMENT:CHG FEE FEE TYPE:1 \$62.00 BUDGET:069377 REV OBJ CD:943081													
ESS 452	VERTE PALEO Vertebrate Paleontology	WIN/2014 - AUT/9999	5.0	.	.	.	.	Y	.	Y	.	.	.	.	BIOL 450	BIOL 450	.
				LAST UPDT: 3/21/16 APPROVED:10/25/06													
				COMMENT:CHG FEE FEE TYPE:1 \$50.00 BUDGET:069377 REV OBJ CD:943081													
ESS 453	FOSSIL MAMMALS Fossil Mammals	AUT/2009 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.			.
				LAST UPDT: 8/12/09 APPROVED:12/01/85													
				COMMENT:MOVE COLLEGE													
ESS 454	HYDROGEOLOGY Hydrogeology	SUM/2017 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.			.
				LAST UPDT: 3/22/17 APPROVED: 5/19/09													
ESS 455	STRATIGRAPHY Stratigraphy	AUT/2009 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.			.
				LAST UPDT: 1/10/19													
				COMMENT:MOVE COLLEGE FEE TYPE:1 \$15.00 BUDGET:068360 REV OBJ CD:943081													
ESS 456	SED GEO Sedimentary Geology and Depositional Environments	SPR/2018 - AUT/9999	4.0	.	.	.	.	Y	.	Y	.	.	.	.			.
				LAST UPDT: 3/22/18 APPROVED: 1/01/82													
				FEE TYPE:1 \$30.00 BUDGET:069340 REV OBJ CD:943081													
ESS 457	ENV GEOCHEM Environmental Geochemistry	WIN/2017 - SPR/2020	4.0	.	.	.	.	.	.	Y	.	.	.	.			.
				LAST UPDT: 1/06/20 APPROVED: 3/29/06													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,006

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		U N E	P	& N C M S N	A S W T P R G							
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	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09		APPROVED: 6/01/90											
				COMMENT:UPDATE PREQ, COLLEGE													
ESS 459	ENV ISOTOPE GEOCHEM Environmental Isotope Geology	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:12/14/17		APPROVED:10/01/74											
				COMMENT:MOVE COLLEGE													
ESS 460	COSMOGENIC NUCLIDES Cosmogenic Nuclides in Geomorphology	AUT/2009 - SPR/2020	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/06/20		APPROVED: 3/29/04											
				COMMENT:MOVE COLLEGE													
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: 6/11/19		APPROVED: 3/27/95											
				COMMENT:MOVE COLLEGE													
ESS 462	VOLCANIC PROCESSES Volcanic Processes	SPR/2014 - SPR/2020	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 1/06/20		APPROVED: 6/01/99											
				COMMENT:EMAIL PREQ CHG													
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

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,007

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 464	GEODYNAMICS GEODYNAMICS	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
	COMMENT:UPDATE PREQ																	
ESS 465	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	CEE	431	CEE	431
	COMMENT:UPDATE PREQ																	
ESS 466	APPLIED SEISMOLOGY APPLIED SEISMOLOGY	AUT/2009 - AUT/9999	2.0	.	.	.	.	.	.	.	Y	.	.	.				
	COMMENT:MOVE COLLEGE																	
ESS 467	SEISMIC EXPLORATION Seismic Exploration	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	ESS	467	OCEAN	412
	COMMENT:MOVE COLLEGE																	
ESS 471	INTRO TO SPACE PHYS Introduction to Space Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.				
	COMMENT:MOVE COLLEGE																	
ESS 472	ROCKETS & INSTRUMNT Rockets and Instrumentation	WIN/2012 - AUT/9999	2.0-04.0	12.0	.	.	.	.	.	.	Y	.	.	.				
	COMMENT:CHG CREDITS, DESC																	
ESS 475	CLMT SCI RSRCH SMNR Current Research in Climate Science Seminar	AUT/2011 - AUT/9999	3.0	6.0	.	.	.	.	.	.	.	.	.	.	OCEAN	475	ATM	S 475
																OCEAN	475	
ESS 480	ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	WIN/2013 - SPR/2020	3.0	18.0	.	.	.	.	.	.	Y	.	.	.				
ESS 480	ADV ISO GEOCHEM Advanced Methods in Isotope Geochemistry	SUM/2020 - AUT/9999	3.0	18.0	.	.	.	.	.	.	Y	.	.	.				
ESS 482	ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SPR/2017 - SPR/2020	4.0	.	.	.	.	.	.	.	Y	.	.	Y				

LAST UPDT: 1/06/20 APPROVED: 6/07/16
 FEE TYPE:1 \$50.00 BUDGET:068363 REV OBJ CD:943081

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,008

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		U N E	P	N	C	M	S	N				
ESS 482	ENV GEOCHEM LAB Environmental Geochemistry Laboratory	SUM/2020 - AUT/9999	4.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/06/20 APPROVED: 6/07/16 FEE TYPE:1 \$50.00 BUDGET:068363 REV OBJ CD:943081													
ESS 488	SPACE LAW & POLICY Space Law and Policy	SUM/2019 - AUT/9999	5.0	.	.	.	.	.	.	Y	.	.	.	.	JSIS B444 A A	490	.
				LAST UPDT: 6/21/19 APPROVED: 2/19/19 JSIS B 444													
ESS 489	HONORS SEMINAR Honors Seminar	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06 COMMENT:MOVE COLLEGE													
ESS 490	SPECIAL TOPICS Special Topics	AUT/2009 - AUT/9999	1.0-10.0	20.0	Y	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 9/27/91 COMMENT:MOVE COLLEGE													
ESS 491	US GEOLOGY SEMINAR US Geology Seminar and Field Trip	AUT/2019 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/22/19 APPROVED: 3/19/19													
ESS 492	EDU EARTH SCI Education in the Earth Sciences	SUM/2019 - AUT/9999	2.0-03.0	12.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 3/18/19 APPROVED: 2/25/98													
ESS 495	NASA RSRCH SEMINAR NASA Science and Engineering Research Seminar	AUT/2009 - AUT/9999	1.0	4.0	.	CR/NC	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED:10/29/90 COMMENT:MOVE COLLEGE													
ESS 498	INDEPENDENT STUDY Independent Study	SUM/2018 - AUT/9999	1.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/18													
ESS 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2009 - AUT/9999	0.0	15.0	Y	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 2/01/87 COMMENT:MOVE COLLEGE													
ESS 501	GEOCHEMICAL SYSTEMS Geochemical Systems	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/12/09 APPROVED: 6/13/06 COMMENT:MOVE COLLEGE													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,009

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	HYPH	M	R	E	P	& N	C	M				S	N
ESS 502	THE SOLID EARTH The Solid Earth	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09			APPROVED: 6/13/06											
ESS 503	SOLAR TERRESTR PHYS Introduction to Solar Terrestrial Physics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09			APPROVED: 8/08/06											
ESS 504	EARTH SURFACE The Earth Surface	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 1/10/19			APPROVED: 6/13/06			FEE TYPE:1 \$50.00 BUDGET:068364 REV OBJ CD:943081								
ESS 505	THE CRYOSPHERE The Cryosphere	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 6/22/11			APPROVED: 6/21/11											
ESS 508	GREAT GEOL ISSUES Great Geological Issues	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE				LAST UPDT: 8/12/09			APPROVED: 3/29/06											
ESS 509	APPL FIELD MTHDS I Field Methods in Applied Geology I	WIN/2014 - AUT/9999	3.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
COMMENT:ADD FEE				LAST UPDT: 1/10/19			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											

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,011

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 523	INVERSE THEORY Geophysical Inverse Theory	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 1/01/73											
ESS 524	HEAT&MASS FLOWMODEL Numerical Heat and Mass Flow Modeling in the Earth Sciences	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/17/10		APPROVED: 2/16/10											
ESS 525	TECTONIC GEOMORPH Tectonic Geomorphology	SPR/2016 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/19/15		APPROVED:11/17/15											
ESS 526	FLUVIAL GEOMORPH Fluvial Geomorphology	AUT/2013 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:ADD FEE			LAST UPDT: 1/10/19		APPROVED: 6/04/13		FEE TYPE:1 \$40.00 BUDGET:068367 REV OBJ CD:943081									
ESS 527	HILLSLOPE GEOMORPH Hillslope Geomorphology	WIN/2014 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:400-500, 1/10/14 FEE			LAST UPDT: 1/10/19		APPROVED:11/19/13		FEE TYPE:1 \$40.00 BUDGET:068368 REV OBJ CD:943081									
ESS 528	SEDIMENT STRUCTURES Interpretation of Sedimentary Structures	AUT/2009 - AUT/9999	2.0-04.0	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT:12/14/17		APPROVED:12/01/83											
ESS 529	FLD DYN HT/MS TRANS Principles of Fluid Dynamics, Heat, and Mass Transfer in Earth Sciences	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09		APPROVED:12/01/89											
ESS 531	PHYSICS OF ICE Physics of Ice	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ATM S 510	ATM S 510	.	.
	COMMENT:MOVE COLLEGE			LAST UPDT: 8/12/09													
ESS 532	SNOW & ICE ON EARTH Snow and Ice on the Earth's Surface	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	ESS 532	ATM S 511	.	.
	COMMENT:CHG TITLES			LAST UPDT: 4/18/11		APPROVED:11/01/81											

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,017

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	I T
				-ALL MAX	U P	GRD SYS	E D	HYPH	M	R	E	P & A	N S W	C T P				M S R	S N G
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				
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				
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				
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				
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											
ESS 592	PROF PRACTICE SEM Professional Practice in Applied Geosciences	AUT/2013 - AUT/9999	1.0	3.0	.	.	.	.	Y	.	.	.			.
				LAST UPDT: 1/10/19		APPROVED: 8/21/12											
				FEE TYPE:1		\$40.00		BUDGET:068370		REV OBJ CD:943081							
ESS 593	CLIMATE SEMINAR Climate Science Seminar	SPR/2010 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	ATM S 593	ATM S 593	.	
				LAST UPDT: 2/10/10		APPROVED:12/16/08							OCEAN 593				
ESS 594	INTRO ESS RSRCH Introduction to Earth and Space Sciences Research	AUT/2009 - AUT/9999	1.0-02.0	4.0	Y	.	.	.	.	.	.	.			.
				LAST UPDT: 8/12/09		APPROVED:11/21/94											
ESS 595	ESS RSRCH METHODS Earth and Space Sciences Research Methods	AUT/2011 - AUT/9999	2.0	30.0	Y	CR/NC	.	.	.	.	.	.			.
				LAST UPDT: 6/20/11		APPROVED:11/21/94											
				COMMENT:CHG GRADING													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,018

COLLEGE : D - Environment
 DEPARTMENT: EARTH AND SPACE SCIENCES

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	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 596	CLIMATE CAPSTONE Climate Science Capstone Project	AUT/2019 - AUT/9999	1.0-05.0	5.0	.	.	11	.	.	.	.	.	.	ATM S 596	OCEAN 596	.
LAST UPDT: 6/06/19 APPROVED: 12/16/08 ATM S 596																	
ESS 597	APP GEOSCI INVESTGN Applied Geoscience Investigation	SUM/2016 - AUT/9999	1.0-05.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/23/16 APPROVED: 2/23/16																	
ESS 599	SEMINAR Seminar	AUT/2009 - AUT/9999	1.0	24.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 5/18/12 APPROVED: 2/01/77																	
COMMENT: MOVE COLLEGE																	
ESS 600	INDEPN DNT STDY/RSCH Independent Study or Research	AUT/2009 - AUT/9999	0.0	999.0	.	CR/NC	.	11	.	.	.	.	.	.	.	.
LAST UPDT: 4/19/10 APPROVED: 2/01/78																	
COMMENT: MOVE COLLEGE																	
ESS 601	INTERNSHIP Internship	SUM/2013 - AUT/9999	0.0	999.0	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/16/13 APPROVED: 4/16/13																	
ESS 700	MASTERS THESIS Master's Thesis	AUT/2009 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/19/10 APPROVED: 1/01/70																	
COMMENT: MOVE COLLEGE																	
ESS 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/2009 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/19/10 APPROVED: 1/01/70																	
COMMENT: MOVE COLLEGE																	

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,019

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 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	
FHL 101	MAR BIO WEEKEND Introduction to Marine Biology in the San Juan Islands	AUT/2018 - AUT/9999	1.0	Y	.	.	Y
				LAST UPDT:11/15/18 APPROVED:11/15/16 FEE TYPE:1 \$195.00 BUDGET:099147 REV OBJ CD:943081														
FHL 305	BIOLOGY OF FISHES Biology of Fishes	AUT/2018 - AUT/9999	5.0	Y	.	.	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 375	MAR MAMM SALISH Marine Mammals of the Salish Sea	AUT/2018 - AUT/9999	5.0	Y	.	.	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	.	.	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	.	.	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														
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														

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,020

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				C	M	S	N	COURSE	COURSES
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										FISH 492			
					FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081													
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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,021

COLLEGE : D - Environment
 DEPARTMENT: FRI HARBOR LABS

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V L R					RESPONS	JOINT	O
					-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N	COURSE	COURSES	M
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											

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,022

COLLEGE : D - Environment
 DEPARTMENT: MARINE BIOLOGY

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D D S H F V L E E W										RESPONS COURSE	JOINT COURSES	O M I T								
				-ALL U	GRD	E	U N E	P & N C M S N	A S W T P R G	MAX	P	SYS	D				HYPH	M	R	E	A	S	W	T	P	R	G
MARBIO 270	AQUATIC ECOPHYSLGY Aquatic Ecophysiology	AUT/2018 - AUT/9999	5.0	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	FISH 370	OCEAN 370	.
				LAST UPDT: 4/25/18 APPROVED:12/16/14										FISH 370										
MARBIO 435	RES APPRENTICESHIP Research Apprenticeship in Marine Science	AUT/2018 - AUT/9999	15.0	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	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	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	FHL 470	FHL 470	.
				LAST UPDT:11/04/19 APPROVED: 4/15/14																				
				FEE TYPE:1 \$110.00 BUDGET:068530 REV OBJ CD:943081																				
MARBIO 479	MARINE BIO RESEARCH Research in Marine Biology	AUT/2018 - AUT/9999	1.0-15.0	15.0	FISH 479	BIOL 479	.
				LAST UPDT: 4/25/18 APPROVED:10/21/08										OCEAN 479										
				FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081										FISH 479										
MARBIO 488	MARBIO IN FIELD Marine Biology in the Field	AUT/2018 - AUT/9999	4.0-06.0
				LAST UPDT:12/13/18 APPROVED: 2/21/17																				
				FEE TYPE:1 \$100.00 BUDGET:068530 REV OBJ CD:943081																				

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,023

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	I
					-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N	COURSE	COURSES	T

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	.
------------	---	------------	----------	----------	------	---	---	---	---	---	---	---	---	---	---	---	---	-----	-----	------	-----	---

LAST UPDT:11/04/19 APPROVED:12/16/14
FEE TYPE:1 \$165.00 BUDGET:098456 REV OBJ CD:943081

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,025

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 COMMENT:MOVE COLLEGE													
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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,026

COLLEGE : D - Environment
 DEPARTMENT: OCEANOGRAPHY

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D				S H F				V L E E W				RESPONS COURSE	JOINT COURSES	O M I T	
				-ALL	U	GRD	E	U	N	E	P	& N	C	M	S				N
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															

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,027

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	A S W T P R G							
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							FISH 370				
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 COMMITTEE 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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,028

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		U N E	P & A	N C M S N	E C Q T							
OCEAN 423	OCEAN CIRC & CLIMATE Ocean Circulation and Climate	AUT/2016 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 7/19/16 APPROVED: 3/28/01													
OCEAN 430	BIO OCEAN Biological Oceanography	AUT/2011 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				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	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 5/29/18 APPROVED: 3/28/01													
OCEAN 443	SNR THESIS PROPOSAL Undergraduate Thesis: Proposal	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT:10/04/17 APPROVED: 2/21/01													
OCEAN 444	SNR THESIS RESEARCH Undergraduate Thesis: Research	WIN/2020 - SPR/2020	2.0	.	.	12	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT:11/22/19 APPROVED:10/16/12													
				FEE TYPE:1 \$400.00 BUDGET:099670 REV OBJ CD:943081													
OCEAN 444	SNR THESIS RESEARCH Undergraduate Thesis: Research	SUM/2020 - AUT/9999	2.0	.	.	.	.	.	Y	.	.	.	.	.	.	.	.
				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	WIN/2020 - SPR/2020	3.0	.	.	22	.	.	Y	.	Y	.	.	.	.	.	.
				LAST UPDT:11/22/19													
				FEE TYPE:1 \$500.00 BUDGET:099670 REV OBJ CD:943081													
OCEAN 445	SNR THESIS:ANALYSIS Undergraduate Thesis: Data Analysis and Writing	SUM/2020 - AUT/9999	3.0	.	.	.	.	.	Y	.	Y	.	.	.	.	.	.
				LAST UPDT:11/22/19													
				FEE TYPE:1 \$500.00 BUDGET:099670 REV OBJ CD:943081													
OCEAN 450	CLIMATIC EXTREMES Climatic Extremes	SPR/2010 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 2/10/10 APPROVED: 4/25/01													
				COMMENT:MOVE COLLEGE													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,029

COLLEGE : D - Environment
 DEPARTMENT: OCEANOGRAPHY

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V	L	E	W	RESPONS	JOINT	I
					-ALL U	GRD		U N E	P	N								C	M	S	N
OCEAN 451	FLUID DYAMICS LAB FLUID DYNAMICS LABORATORY	SPR/2010 -	AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
	COMMENT:MOVE COLLEGE																
OCEAN 452	MARINE GIS Marine Geospatial Information Science	AUT/2017 -	AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	OCEAN 452	FISH 452	.
OCEAN 453	GEOSP TL P TTRN ANLYS Geospatial Pattern Analysis and Geostatistics	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	OCEAN 453	FISH 453	.
	COMMENT:RECREATED OCEAN 452 WITH CHGS																
OCEAN 454	HYDROTHERMAL Hydrothermal Systems: An Interdisciplinary View	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.
	COMMENT:MOVE COLLEGE																
OCEAN 461	ADV OCN TECH MGMNT Advanced Ocean Technology - Project Design and Management	SPR/2015 -	AUT/9999	2.0	.	.	.	.	.	.	Y	.	.	.			.
OCEAN 475	CLMT SCI RSRCH SMNR Current Research in Climate Science Seminar	AUT/2011 -	AUT/9999	3.0	6.0	.	.	.	.	.	.	.	.	.	OCEAN 475	ATM S 475	.
																ESS 475	
OCEAN 477	MARINE BIOL SEMINAR Seminar in Marine Biology	WIN/2011 -	AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	OCEAN 477	BIOL 477	.
																FISH 477	
OCEAN 479	MARINE BIO RESEARCH Research in Marine Biology	AUT/2018 -	AUT/9999	1.0-15.0	15.0	.	.	.	.	.	Y	.	.	.	FISH 479	BIOL 479	.
																MARBIO 479	
																FISH 479	
OCEAN 480	OCEAN CULTURE Global Ocean - Human Culture	WIN/2018 -	AUT/9999	3.0	.	.	.	.	.	.	Y	Y	.	.			.
OCEAN 481	PUGET SOUND OCEANOGRAPHY Puget Sound and Estuarine Oceanography	AUT/2011 -	AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.			.

LAST UPDT: 4/25/18 APPROVED:10/21/08
 FEE TYPE:1 \$90.00 BUDGET:029357 REV OBJ CD:943081

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,030

COLLEGE : D - Environment
 DEPARTMENT: OCEANOGRAPHY

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V	E E W			RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		U N E	P & A	L I		E C	M S	N			
OCEAN 482	THE CHANGING ARCTIC The Changing Arctic Ocean	WIN/2013 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.
LAST UPDT: 2/23/16 APPROVED:10/16/12																
OCEAN 492	APPRENTICE: OCEAN Friday Harbor Apprenticeship	SPR/2010 - AUT/9999	9.0-15.0	.	.	.	.	Y	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																
FEE TYPE:1 \$192.00 BUDGET:099147 REV OBJ CD:943081																
OCEAN 494	FIELD EXP: OCEAN Field Experiences in Marine Science	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																
OCEAN 496	STUDY ABROAD: OCEAN Study Abroad: Oceanography	SPR/2010 - AUT/9999	1.0-15.0	30.0	.	.	.	.	.	Y	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																
OCEAN 497	ADV SPEC TOP: OCEAN Advanced Special Topics in Oceanography	SPR/2010 - AUT/9999	1.0-15.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																
OCEAN 499	UNDERGRAD RESEARCH Undergraduate Research	AUT/2010 - AUT/9999	1.0-15.0	24.0	Y	.	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC																
OCEAN 500	CURRENT PROBS OCEAN Current Problems in Oceanography	SPR/2010 - AUT/9999	1.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE, 5/13 RETRO MAX																
OCEAN 501	ESTUARINE CIRC/MIX ESTUARINE CIRCULATION AND MIXING	SPR/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
COMMENT:MOVE COLLEGE																
OCEAN 502	MARINE GIS Marine Geospatial Information Science	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	OCEAN 502 FISH 502	.	.
LAST UPDT: 4/25/17 APPROVED:10/20/09																

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,038

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	GRD	E	U	N	E	P	&				N	C	M	S	N
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											

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,039

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	E	U	N	E	P	&	N			
Q SCI 458	MODEL/ESTIM RES MGT Modeling and Estimation in Conservation and Resource Management	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	FISH 458	FISH 458	.
LAST UPDT: 9/18/18 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																	

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,040

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 S W T P R G	MAX	P	S Y S				D	H Y P H	M	R	E
QERM 502	STATSTCL CONSULTING STATISTICAL CONSULTING FOR THE LIFE SCIENCES	AUT/2018 - AUT/9999	1.0-04.0	4.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:11/07/77										
QERM 514	ANLYS ECOL DATA I Analysis of Ecological and Environmental Data I	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:11/18/88										
QERM 521	SCIENTIFIC METHOD SCIENTIFIC METHOD IN RESOURCE MANAGEMENT	AUT/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:11/19/87										
QERM 550	ECO MOD&SPAT ANLY ECOLOGICAL MODELING AND SPATIAL ANALYSIS	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:11/19/87										
QERM 597	SEM QUAN ECOLOGY Seminar in Quantitative Ecology	AUT/2018 - AUT/9999	2.0	20.0	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:11/19/87										
QERM 598	SPEC TOP RES MANGMT Special Topics in Quantitative Resource Management	AUT/2018 - AUT/9999	1.0-03.0	12.0	Y	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED:12/18/86										
QERM 599	RES QUAN RESRCH MGT Research in Quantitative Resource Management and Ecology	AUT/2018 - AUT/9999	0.0	12.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED: 5/04/84										
QERM 600	INDEPENDNT STDY/RSCH Independent Study or Research	AUT/2018 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED: 2/28/91										
QERM 700	MASTER'S THESIS Master's Thesis	AUT/2018 - AUT/9999	0.0	999.0	Y	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED: 2/28/91										
QERM 800	DOCTORAL DISSERTATN Doctoral Dissertation	AUT/2018 - AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/18/18		APPROVED: 2/28/91										

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,041

COLLEGE : D - Environment
DEPARTMENT: SCIENCE FOR TEACHERS

CURRIC NUM	COURSE TITLE	EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V	L	E E W	R	RESPONS	JOINT	O	
					-ALL	U		GRD	E	U								N	E	P & N	C M S N	I	M
					MAX	P	SYS	D	HYPH	M R E	A	S	W	T	P R G	COURSE	COURSES	T
SCI T 501	OBS SCI EXPT DESIGN Observational Science and Experimental Design for Teachers	AUT/2014 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/18/14 APPROVED: 3/18/14																		
SCI T 502	DATA ANALYSIS VIS Data Analysis and Visualization for Teachers	WIN/2015 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/18/14 APPROVED: 3/18/14																		
SCI T 503	SCI COMM FOR TEACH Science Communication for Teachers	SPR/2015 -	AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 4/18/14 APPROVED: 3/18/14																		

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,042

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							
BSE 101	BIOMASS & BIOFUEL Biomass, Biofuels and Bioproducts	AUT/2017 - SUM/2020	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 7/19/19		APPROVED: 6/06/17											
BSE 101	BIOMASS & BIOFUEL Biomass, Biofuels and Bioproducts	AUT/2020 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				LAST UPDT: 7/19/19		APPROVED: 6/06/17											
BSE 104	PROD & ENRGY RENEWBL Products and Energy from Renewable Resources	AUT/2010 - AUT/9999	5.0	.	.	.	.	.	.	Y	Y	.	.	.	.	.	.
				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	.	.	.	.	.	.	Y	.	.	.	.	.	.
				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	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,043

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				S	N
BSE 309	CREAT INNOVATION Creativity and Innovation	AUT/2010 - AUT/9999	2.0	Y	BSE 309	CHEM E309	.
				LAST UPDT:11/08/10				APPROVED: 3/29/93										
				COMMENT:WAS PSE 309														
BSE 391	ENGR PRIN BIOREFINE Engineering Principles of Biorefineries	AUT/2014 - AUT/9999	5.0	Y
				LAST UPDT: 3/19/14				APPROVED: 3/18/14										
BSE 392	BIORESOURCE TRNSPRT Bioresource Transport Phenomena	WIN/2016 - AUT/9999	5.0	Y
				LAST UPDT: 9/08/15				APPROVED: 3/18/14										
BSE 399	UNDERGRAD INTERNSHIP Undergraduate Internship	AUT/2010 - AUT/9999	1.0-05.0	15.0	.	CR/NC
				LAST UPDT: 6/16/10				APPROVED: 4/28/04										
				COMMENT:WAS PSE 399														
BSE 406	NAT PROD CHEMISTRY Natural Products Chemistry	WIN/2016 - AUT/9999	5.0	Y
				LAST UPDT: 9/08/15				APPROVED: 3/29/93										
BSE 420	BSE ENGR I Bioresource Engineering I	WIN/2012 - AUT/9999	4.0
				LAST UPDT:11/14/11				APPROVED: 3/29/93										
				COMMENT:CHG TTL, CRDTS, HRS														
BSE 421	BSE ENGR 2 Bioresource Engineering II	SPR/2019 - AUT/9999	4.0
				LAST UPDT: 5/18/18				APPROVED: 3/29/93										
BSE 422	BIORESOURCE ENGR 3 Bioresource Engineering III	SPR/2011 - AUT/9999	4.0
				LAST UPDT: 2/17/11				APPROVED: 3/29/93										
				COMMENT:EMAIL PREQ CHG														
BSE 426	BIORESOURCES LAB Bioresource Laboratory	SPR/2016 - AUT/9999	4.0	Y
				LAST UPDT: 3/06/15				APPROVED: 3/29/93										
				COMMENT:EMAIL PREQ CHG				FEE TYPE:1 \$156.00				BUDGET:069393 REV OBJ CD:943081						
BSE 430	PAPERMAKING PROC Papermaking Processes	AUT/2015 - AUT/9999	5.0	Y
				LAST UPDT: 5/08/15				APPROVED: 3/29/93										
				COMMENT:EMAIL PREQ CHG				FEE TYPE:1 \$10.00				BUDGET:069393 REV OBJ CD:943081						

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,050

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	C M S N	A S W T P R G						
ESRM 411	PLANT PROPAGATION Plant Propagation: Principles and Practice	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED: 3/29/05 COMMENT:MOVE COLLEGE FEE TYPE:1 \$40.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 412	NATIVE PLANT PROD Native Plant Production	SPR/2010 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED: 1/31/05 COMMENT:EMAIL PRQ CHG FEE TYPE:1 \$31.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 413	SOIL GENESIS CLASS Soil Genesis and Classification	AUT/2009 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 9/19/12 APPROVED:10/27/93 COMMENT:MOVE COLLEGE FEE TYPE:1 \$173.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 414	F SOIL FERT & CHEM Forest Soil Fertility and Chemistry	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/12/09 APPROVED:10/23/78 COMMENT:MOVE COLLEGE													
ESRM 415	TERR INVASION ECOL Terrestrial Invasion Ecology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 4/19/18 APPROVED: 8/24/05													
ESRM 416	FIELD SURVEY SOILS Field Survey of Wildland Soils	AUT/2009 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT:10/26/16 APPROVED:12/15/94 COMMENT:MOVE COLLEGE FEE TYPE:1 \$130.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 420	WILDLAND FIRE MGT Wildland Fire Management	SPR/2014 - AUT/9999	5.0	.	.	.	.	Y	.	.	Y	.	.	.	.	.	.
				LAST UPDT: 1/09/14 APPROVED: 3/29/05 COMMENT:CHG FEE FEE TYPE:1 \$109.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 421	YAKAMA NATION EXPER Role of Culture and Place in Natural Resource Stewardship: Yakama Nation Experience	AUT/2017 - AUT/9999	3.0	.	.	.	.	Y	.	.	Y	Y	.	.	.	.	.
				LAST UPDT: 7/21/17 APPROVED: 6/06/17 FEE TYPE:3 \$87.00 BUDGET:069393 REV OBJ CD:943081													
ESRM 422	PLANT MICRO SEMINAR Plant Microbiology Seminar	WIN/2020 - AUT/9999	2.0	4.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/23/19 APPROVED: 9/17/19													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,052

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 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													

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,053

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 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													

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,054

COLLEGE : D - Environment
DEPARTMENT: ENVIR & FOREST SCIENCES

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				COURSE				COURSES	M			
					MAX	P	SYS	D	HYPH	M	R	E	A		S	W	T			P	R	G			I
ESRM 461	FOR MGT ECONOMICS Forest Management and Economics	AUT/2009 - AUT/9999	5.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT:10/14/09		APPROVED: 1/01/87															
	COMMENT:MOVE COLLEGE																					
ESRM 462	RESTORATION ECOL 1 Restoration Ecology Capstone: Introduction	AUT/2017 - AUT/9999	2.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT:12/22/16		APPROVED: 8/23/00					ESRM 462 BES	462								
					FEE TYPE:1		\$44.00 BUDGET:069393					REV OBJ CD:943081		T BIOL 462								
ESRM 463	RESTORATION ECOL 2 Restoration Ecology Capstone: Proposal and Plan	AUT/2017 - AUT/9999	3.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT: 1/10/17		APPROVED: 8/23/00					ESRM 463 T BIOL463									
					FEE TYPE:1		\$42.00 BUDGET:069393					REV OBJ CD:943081		BES	463							
ESRM 464	RESTORATION ECOL 3 Restoration Ecology Capstone: Field Site Restoration	AUT/2017 - AUT/9999	5.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT: 1/18/17		APPROVED: 8/23/00					ESRM 464 BES	464								
					FEE TYPE:1		\$44.00 BUDGET:069393					REV OBJ CD:943081		T BIOL 464								
ESRM 465	ECON OF CONSERV Economics of Conservation	AUT/2009 - AUT/9999	3.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT:10/14/09																	
	COMMENT:MOVE COLLEGE																					
ESRM 468	FOREST OPERATIONS Forest Operations	AUT/2009 - AUT/9999	5.0	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					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	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT: 5/05/17		APPROVED: 3/01/88															
	COMMENT:CHG FEE				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	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT: 2/07/14		APPROVED: 3/29/05															
	COMMENT:MOVE COLLEGE				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	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
					LAST UPDT: 9/22/14		APPROVED: 3/28/91															
	COMMENT:10-12 REC PREQ CHG				FEE TYPE:1		\$35.00 BUDGET:069393					REV OBJ CD:943081										

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,056

COLLEGE : D - Environment
 DEPARTMENT: ENVIR & FOREST SCIENCES

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		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	S	N
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 COMMENT:CHG HYPHEN													
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													

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,057

COLLEGE : D - Environment
DEPARTMENT: ENVIR & FOREST SCIENCES

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	MAX	P	SYS	D	HYPH	M				R	E	A	S	W	T	P	R	G
SEFS 500	GRAD ORIENT SEMINAR Graduate Orientation Seminar	AUT/2014 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/25/14		APPROVED: 9/27/93																.					
COMMENT:14-16 DESC CHG																											
SEFS 501	COMMUNITY ECOLOGY Forest Ecosystems - Community Ecology	AUT/2012 - AUT/9999	5.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/19/12		APPROVED: 5/23/05																.					
COMMENT:WAS CFR 501				FEE TYPE:1		\$160.00		BUDGET:069393		REV		OBJ		CD:943081													
SEFS 502	ANLYS TECH COM ECOL Analytical Techniques for Community Ecology	WIN/2013 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/02/14		APPROVED:12/06/93																.					
COMMENT:CHG CREDITS																											
SEFS 503	ISSUES RESTOR & HORT Current Issues in Restoration Ecology and Environmental Horticulture	AUT/2012 - AUT/9999	1.0	10.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 3/25/05																.					
COMMENT:WAS CFR 503																											
SEFS 504	RECH PROC FOR RES Research Processes in Forest Resources	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/14/11		APPROVED: 5/25/05																.					
COMMENT:WAS CFR 504																											
SEFS 505	PULP PAPER &BIOPROD Introduction to Pulp, Paper, and Bioproducts	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/18/18		APPROVED: 5/23/05																.					
COMMENT:WAS CFR 505																											
SEFS 506	TERR INVASION ECOL Terrestrial Invasion Ecology	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/18		APPROVED: 4/17/18																.					
COMMENT:CHG FEE																											
SEFS 507	SOIL LAND USE PROB Soils and Land Use Problems	WIN/2014 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/04/13		APPROVED:10/05/92																.					
COMMENT:CHG FEE				FEE TYPE:1		\$50.00		BUDGET:069393		REV		OBJ		CD:943081													
SEFS 508	PLANT MODELING Plant Process and Systems Modeling	AUT/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED: 6/05/18																.					

DATE: 01-21-2020
 TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
 PAGE: 1,059

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				
SEFS 522	PLANT MICRO SEMINAR Plant Microbiology Seminar	WIN/2020 - AUT/9999	2.0	4.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/23/19		APPROVED: 1/24/07											
SEFS 523	ENVIRO APPL PLANTS Environmental Applications of Plants: Bioenergy and Bioremediation	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TITLES			LAST UPDT: 9/05/12		APPROVED: 6/15/10											
SEFS 524	CURR TOP PHYTOREMED Current Topics in Phytoremediation	SPR/2017 - AUT/9999	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/15/16		APPROVED:12/13/16											
SEFS 525	ADV WILDLAND HYDROL Advanced Wildland Hydrology	WIN/2014 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:CHG FEE			LAST UPDT:11/04/13		APPROVED:11/18/88		FEE TYPE:1 \$46.00 BUDGET:069393 REV OBJ CD:943081									
SEFS 526	ADV SILVICULTURE SEM Seminar in Advanced Silviculture	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 526			LAST UPDT:12/14/11		APPROVED: 3/29/06											
SEFS 527	ECOSYSTEMS SEMINAR Ecosystems Seminar	AUT/2012 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 527			LAST UPDT:12/14/11		APPROVED:10/22/87											
SEFS 528	INTNL FORESTRY International Forestry	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CFR 528			LAST UPDT: 7/25/14													
SEFS 529	SEFS SEMINAR School of Environmental and Forest Sciences Seminar	AUT/2013 - AUT/9999	1.0	6.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:DROP JT STATUS, CHG TTL, DESC			LAST UPDT: 8/21/13		APPROVED: 9/22/97											
SEFS 530	INTRO REST ECOL Introduction to Restoration Ecology	AUT/2015 - AUT/9999	3.0-05.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/12/17		APPROVED: 3/17/15		FEE TYPE:1 \$15.00 BUDGET:069393 REV OBJ CD:943081									

DATE: 01-21-2020
TIME: 20:10:10

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,060

COLLEGE : D - Environment
DEPARTMENT: ENVIR & FOREST SCIENCES

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	I
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	T
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	.	.	.	.	.	.	.	.	.			.
COMMENT:CHG CREDITS, 3/14 FEE					LAST UPDT: 3/14/14		APPROVED: 5/25/05		FEE TYPE:1 \$126.00 BUDGET:069393 REV OBJ CD:943081													
SEFS 540	OPTIMIZATION TECH Optimization Techniques for Natural Resources	AUT/2012 - AUT/9999	5.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CRF 540					LAST UPDT:12/14/11		APPROVED: 2/15/11															
SEFS 541	ADV LANDSCAPE ECOL Advanced Landscape Ecology	WIN/2013 - AUT/9999	5.0		.	.	.	.	.	Y	.	.	.	.	.	.	.	.	.			.
COMMENT:CHG DESC					LAST UPDT: 7/25/14		APPROVED:11/20/07		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		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CFR 545					LAST UPDT:12/11/12		APPROVED: 6/01/89															
SEFS 549	URBAN HORT SEMINAR Urban Horticulture Seminar	AUT/2012 - AUT/9999	1.0		6.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CFR 549					LAST UPDT:12/14/11		APPROVED: 6/23/89															
SEFS 550	GRADUATE SEMINAR Graduate Seminar	AUT/2012 - AUT/9999	2.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CFR 550					LAST UPDT: 5/29/12		APPROVED: 9/19/94															
SEFS 554	WILDLIFE SEMINAR Wildlife Seminar	AUT/2012 - AUT/9999	1.0-02.0	10.0	Y	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.	.			.
COMMENT:WAS CFR 554					LAST UPDT:12/14/11		APPROVED: 5/25/05															

