

Graduate Certificate in Fisheries Management Program of Study 2016-17

First and Last Name:		ID #:	
Day Phone:		Email:	
Capstone Mentor (if known):		Concurrent OSU Degree Program:	

A total of 18 credits hours are required for the Certificate, 9 of these must meet stand alone requirements.

Slash courses (4XX/5XX) are courses that meet at their scheduled time or are linked in Blackboard with an undergraduate course. Slash courses do not meet graduate stand alone requirements. An * next to a slash course listing designates the slash only applies to the Corvallis Campus section; Ecampus sections are considered stand alone.

Term Intended to Take	Term Taken & Grade	Course	Slash	Credits	Term and Campus				
					F	W	Sp	Su	
Capstone Project: Required					min. 3				
		FW 506	Projects		3	C,E	C,E	C,E	C,E
Human Dimensions Core: Choose at least two					5 - 6				
		AEC 534	Environmental and Resource Economics		3				
		AEC/MRM 552	Marine Economics		3				
		ANTH 581	Natural Resources and Community Values		4				
		COMM 540	Theories of Conflict and Conflict Management	COMM 440	3				
		COMM 542	Bargaining and Negotiation Processes	COMM 442	3				
		COMM 544	Third Parties in Dispute Resolution: Mediation/Arbitration		3				
		COMM 546	Communication in International Conflict and Disputes		3				
		FW 515	Fisheries and Wildlife Law and Policy		3				
		FW 522	Introduction to Ocean Law	FW 422	3				
		FW 537	Structured Decision Making in Natural Resource Mgmt.		2				
		FW 549	History of Fisheries Science		3				
		FES 585	Consensus and Natural Resources	FES 485	3				
		FW 620	Ecological Policy		3				
		MRM 521	Ocean Law		3				
		MRM 530	Principles and Practice of Marine Resource Mgmt.		3				
		MRM 535	Rights-based Fisheries Management		3				
		PS 575	Environmental Politics and Policy	PS 475	4				
		PS 576	Science and Politics	PS 476	4				
		PS 577	International Environmental Politics and Policy	PS 477	4				
		SOC 580	Environmental Sociology	SOC 480	4				
		SOC 581	Society and Natural Resources	SOC 481	4				
Fisheries Sciences and Ecology Subject Area: choose at least two					5-6				
		FE 530	Watershed Processes	FE 430	4				
		FW 519	The Natural History of Whales and Whaling	FW 419	3				
		FW 520	Ecology and Management of Marine Fishes		3				
		FW 521	Aquatic Biological Invasions	FW 421	4				
		FW 524	Introduction to Fisheries Assessment		3				
		FW 531	Dynamics of Marine Biological Resources	FW 431	4				
		FW/OC 534	Estuarine Ecology	FW/OC 434	4				
		FW 538	Structured Decision Making in Natural Resource Mgmt. Lab		2				
		FW/FES 545	Ecological Restoration	FW/FES 445	4				
		FW 554	Fishery Biology	FW 454	4				
		FW 556	Limnology	FW 456	5				
		FW 562	Ecosystem Services	FW 462	3				
		FW/BI 564	Marine Conservation Biology	FW 464	3				
		FW 565	Marine Fisheries	FW 465	4				
		FW 571	Environmental Physiology of Fishes	FW 471	4				
		FW 573	Fish Ecology and Conservation		4				
		FW/OC 574	Early Life History of Fishes (F '16, '18)	FW 474	4				
		FW 576	Fish Physiology	FW 476	4				
		FW 579	Wetlands and Riparian Ecology (Corvallis - Sp '18, '20)	FW 479*	3				
		FW 580	Stream Ecology		3				
		FW 597	Aquaculture	FW 497	3				
		FW 599	Special Topics		2 to 4				
		OEAS 540	The Biogeochemical Earth		4				
		TOX 555	Ecotoxicology: Aquatic Ecosystems	TOX 455	3				
Skills Courses: One Course Recommended (not required)									
		CH 590	Computer Programming for Scientist		3				
		FW 514	Professional Development: Meeting Communications		1				
		FW 538	Structured Decision Making in Natural Resource Mgmt. Lab		2				
		GEOG 580	Remote Sensing I: Principles and Applications (previously GEO 544)	480	4				
		GEOG 560	GIScience I: Intro to Geographic Information Science (previously GEO 565)		4				
Total Credits: Choose your final course(s) from any of the above sections.					18				

Term offerings are available in the schedule of classes. FW course offerings are also available on the class list on the Curricula and Course Offerings webpage on fw.dregonstate.edu.

Classes are subject to change at anytime: check the online schedule of classes for updates.

Additional background courses

These courses are approved for financial aid for Graduate Certificate in Fisheries Management students but will not count toward a certificate degree. These courses are intended to help students prepare for grad level courses.				F	W	Sp	Su
BI 370	Ecology		3				
FW 315	Ichthyology		3				
FW 320	Introductory Population Dynamics		4				
MTH 245	Mathematics for Management, Life and Social Sciences		4				

If you plan to take a Leave of Absence or change your program of study, please contact the Graduate Certificate Program Coordinator and resubmit this form.

Please review each of the following program requirements:

- At least 2 courses and a minimum of six credits will be taken from the Human Dimensions subject area.
- At least 2 courses and a minimum of six credits will be taken from the Fisheries Science and Ecology subject area.
- A minimum of 18 credits (15 course credits plus 3 capstone credits) are required to complete the program.
- The student's capstone project will be evaluated by both the project mentor and the capstone course supervisor. The capstone project must receive a grade of Pass (P) from the course supervisor for completion.
- If the student's capstone project is not completed within the first term of enrollment in FW 506, the student may take a grade of Incomplete. To receive a final grade, the student must submit the completed capstone project within one year of receiving an Incomplete.
- Students must enroll for a minimum of three credits each term (except Summer term). Students may request a Leave of Absence for terms in which they do not intend to enroll. Please contact the Certificate Program Coordinator if you intend to take a Leave of Absence.
- All work toward this certificate must be completed within seven (7) years. This includes transfer credits, all course work, all examinations, and capstone project.
- A maximum of 6 credits graduate credits may be transferred toward a certificate. All transfer courses listed on the previous pages must be approved by the Program Director and meet one of the following definitions:
 - o Graduate courses taken at OSU while enrolled as a non-degree student, or
 - o Graduate courses taken at OSU while enrolled as a post baccalaureate student, or
 - o Graduate courses taken at OSU and reserved for graduate credit while enrolled as an undergraduate student, or
 - o Graduate courses taken at OSU and reserved for graduate credit while enrolled as a post baccalaureate student, or
 - o Graduate courses taken at other accredited universities after receiving a baccalaureate degree.
- None of the courses listed on this program will be completed with grades of S. I understand that such courses cannot be used in a graduate program.
- None of the courses listed on this program will be completed with letter grades below C (2.00).
- Transfer courses must be earned with grades of B or better and cannot have been used to fulfill requirements for another master's degree. Courses that are graded on a nonstandard basis, such as pass/no pass (P/N), credit/not credit, and satisfactory/unsatisfactory (S/U) cannot be used for transfer credit.