

~Course offerings are subject to change, please check the curriculum posted on the website for accurate term offerings.~

Graduate Certificate in Fisheries Management Program of Study 2017-18

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 Canvas 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	Credits	X = Slash Course	Term and Campus					
					F	W	Sp	Su		
Capstone Project: Required						min. 3				
		FW 506 Projects	3							
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	3	X						
		COMM 542 Bargaining and Negotiation Processes	3	X						
		COMM 544 Third Parties in Dispute Resolution: Mediation/Arbitration	3							
		COMM 546 Communication in International Conflict and Disputes	3							
		FES 585 Consensus and Natural Resources	3	X						
		FW 515 Fisheries and Wildlife Law and Policy	3							
		FW 522 Introduction to Ocean Law	3	X						
		FW 537 Structured Decision Making in Natural Resource Mgmt.	2							
		FW 549 History of Fisheries Science	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	4	X						
		PS 576 Science and Politics	4	X						
		PS 577 International Environmental Politics and Policy	4	X						
		SOC 580 Environmental Sociology	4	X						
		SOC 581 Society and Natural Resources	4	X						
Fisheries Sciences and Ecology Subject Area: choose at least two						5-6				
		FE 530 Watershed Processes	4	X						
		FW 519 The Natural History of Whales and Whaling	3	X						
		FW 520 Ecology and Management of Marine Fishes	3							
		FW 521 Aquatic Biological Invasions	4	X						
		FW 524 Introduction to Fisheries Assessment	3							
		FW 531 Dynamics of Marine Biological Resources	4	X						
		FW/OC 534 Estuarine Ecology	4	X						
		FW 538 Structured Decision Making in Natural Resource Mgmt. Lab	2							
		FW/FES 545 Ecological Restoration	4	X						
		FW 554 Fishery Biology	4	X						
		FW 556 Freshwater Ecology and Conservation	5	X						
		FW 562 Ecosystem Services	3	X						
		FW 564 Marine Conservation Biology	3	X						
		FW 565 Marine Fisheries	4	X						
		FW 571 Environmental Physiology of Fishes	4	X						
		FW 573 Fish Ecology and Conservation	4							
		FW/OC 574 Early Life History of Fishes (F '18, '20)	4	X						
		FW 576 Fish Physiology	4	X						
		FW 579 Wetlands and Riparian Ecology (Corvallis - Sp '18, '20)	3	X*						
		FW 580 Stream Ecology	3							
		FW 597 Aquaculture	3	X						
		FW 599 Special Topics	2 to 4							
		OEAS 540 The Biogeochemical Earth	4							
		TOX 555 Ecotoxicology: Aquatic Ecosystems	3	X						

Current students should use term they were admitted to determine their appropriate curriculum or they can elect to follow the most current curriculum. To see up to date term and campus offerings for the courses in this curriculum, please view the most recent version of the curriculum. You can also search for courses in the OSU General Catalog (<https://classes.oregonstate.edu/>) or the Ecampus Schedule of Classes (<https://ecampus.oregonstate.edu/soc/>).

continued...

Skills Courses: One Course Recommended (not required)				F	W	Sp	Su
	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)	X 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**

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.

Oregon State University Department of Fisheries and Wildlife