Graduate Certificate in Fisheries Management Program of Study 2018-19

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

A minimum of 5 courses and 18 total credit 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			Stand alone?	Credits	Term and Campus E = Ecampus C=Corvallis H = Hatfield Marine Science Center (H - may be broadcast to Corvallis)			
						F	W	Sp	Su
Capstone Project: required					**3**				
		FW 506	Projects	yes	3				
Core: required					**4**				
		FW 554	Fishery Biology	no	4				
Human Dimensions Core: select one					**3-4**				
		FW 515	Fisheries and Wildlife Law and Policy	yes	3				
		FW 522	Introduction to Ocean Law	no	3				
		FW 560	Psychology of Environmental Decisions	yes	3				
		FW 620	Ecological Policy	yes	3				
		PS 577	International Environmental Politics and Policy	no	4				
		SNR 520	Social Aspects of Sustainable Natural Resources	yes	3				
Fisheries Sciences and Management Subject Area: select 2-3 courses					**7-13**				
	Fish science and management:								
		FW 514	Professional Development: Meeting Communications	yes	1				
		FW 519	The Natural History of Whales and Whaling	no	3				
		FW 520	Ecology and Management of Marine Fishes	yes	3				
		FW 524	Introduction to Fisheries Assessment	yes	3				
		FW 531	Dynamics of Marine Biological Resources	no	4				
		FW 549	History of Fisheries Science	yes	3				
		FW 564	Marine Conservation Biology	no	3				
		FW 565	Marine Fisheries	no	4				
		FW 571	Environmental Physiology of Fishes	no	4				
		FW 573	Fish Ecology and Conservation	yes	4				
		FW/OC 574	Early Life History of Fishes (F '18, '20)	no	4				
		FW 576	Fish Physiology	no	4				
		FW 597	Aquaculture	no	3				
	Aquatic science, habitat restoration, and management:								
		FW 521	Aquatic Biological Invasions	no	4				
		FW 526	Coastal Ecology and Resource Management	no	5				
		FW/OC 534	Estuarine Ecology	no	4				
		FW/FES 545	Ecological Restoration	no	4				
		FW 556	Freshwater Ecology and Conservation	no	5				
		FW 562	Ecosystem Services	yes	3				
		FW 579	Wetlands and Riparian Ecology (Corvallis - Sp '19, '21)	no*	3				
		FW 580	Stream Ecology	yes	3				
Total Credits (minimum):					**18**				

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/).

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

Registering early is the best way to get the courses that you want and to make sure courses are not cancelled due to low enrollment.

Please check registration dates for each term using the OSU Academic Calendar: http://catalog.oregonstate.edu/ChapterDetail.aspx?key=148

Additional background courses (not required):

These courses are approved for financial aid for Graduate Certificate in Fisheries Management students but will not count toward a certificate program requirements. These courses are intended to help students prepare for grad level courses.						F	W	Sp	Su
		BI 370	Ecology	n/a	3				
		FW 315	Ichthyology	n/a	3				
		FW 316	Systematics of Fishes	n/a	3				
		FW 320	Introductory Population Dynamics	n/a	4				
		FW 345	Global Change Biology	n/a	3				

continued...

						F	W	Sp	Su
		FW 370	Conservation Genetics	n/a	4				
		FW 507	Seminar - Marine Science	n/a	1				
		GEOG 560	GIScience I: Intro to Geographic Information Science (previously GEO 565)	n/a	4				
		GRAD 420	Graduate School Preparation	n/a	1				
		MTH 245	Mathematics for Management, Life and Social Sciences	n/a	4				
		MTH 251	Differential Calculus	n/a	4				
		ST 516	Foundations of Data Analytics	n/a	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:

• A minimum of 5 courses and 18 credits of total course work.

• A Capstone Project (applying knowledge and skills to a fisheries management issue), equivalent in time and effort to a 3-credit course (FW 506 Projects).

• One Core course (FW 554 Fishery Biology).

• A minimum of one course form the Human Dimensions area.

• Two to three courses from the Fisheries Sciences and Management Subject Area.

• The student's capstone project will be evaluated by both the project mentor and the capstone course supervisor.

• 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.