

FISHERIES AND WILDLIFE ADMINISTRATION GRADUATE MAJOR (PSM)

Also available via Ecampus.

Dr. Bruce Dugger, *Associate Department Head, Director of Online Graduate Programs*

Dr. Susie Dunham, *Graduate Program Coordinator*

Email: fw.gradadvising@oregonstate.edu

Website: <https://fw.oregonstate.edu/fisheries-and-wildlife/psm-fisheries-wildlife-administration>

The Professional Science Master's degree in Fisheries and Wildlife Administration (PSMFWA) provides advanced training for early- and mid-career professionals. It is taught primarily as a distance, online curriculum via Ecampus, although students may choose to work toward the PSMFWA degree while in residence at OSU or at the Hatfield Marine Science Center.

The PSMFWA degree is offered as a non-thesis program only. Students have an advisor and graduate committee to review their program of study, provide career and internship advice, and evaluate a final report based on the internship experience or capstone project.

For additional information about the FW PSM degree email fw.gradadvising@oregonstate.edu.

The 45-credit PSMFWA curriculum is organized into five main sections:

1. Biophysical sciences core (20 credits)
2. Social sciences core (12 credits)
3. Business communication and management skills core (6 credits)
4. Ethics (1 credit)
5. Internship (6 credits)

Course substitutions must be approved by the program coordinator.

Most of our courses are offered through Ecampus, but some may be offered through Corvallis, Cascades or Hatfield Marine Science Center. Please check course offerings through the online catalog and schedule of classes or consult with the program advisor.

Code	Title	Hours
Biophysical Sciences Core Courses		
Select a minimum of 20 credits including at least one Quantitative Skills course from the following:		20
<i>Fisheries and Wildlife-Related Science</i>		
BOT 540	FIELD METHODS IN PLANT ECOLOGY	
FES 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK	
or MCB 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK	
or TOX 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK	
FES 536	CARBON SEQUESTRATION IN FORESTS	
FES 548	INVASIVE PLANTS: BIOLOGY, ECOLOGY AND MANAGEMENT	

FW 519	THE NATURAL HISTORY OF WHALES AND WHALING
FW 521	AQUATIC BIOLOGICAL INVASIONS
FW 526	COASTAL ECOLOGY AND RESOURCE MANAGEMENT (can count as FW Core -or- Human Dimensions)
FW 527	PRINCIPLES OF WILDLIFE DISEASES
FW 535	WILDLIFE IN AGRICULTURAL ECOSYSTEMS
FW 545	ECOLOGICAL RESTORATION
or FES 545	ECOLOGICAL RESTORATION
FW 551	AVIAN CONSERVATION AND MANAGEMENT
FW 552	FOREST WILDLIFE HABITAT MANAGEMENT
or FES 552	FOREST WILDLIFE HABITAT MANAGEMENT
FW 554	FISHERY BIOLOGY
FW 556	FRESHWATER ECOLOGY AND CONSERVATION
FW 558	MAMMAL CONSERVATION AND MANAGEMENT
FW 562	ECOSYSTEM SERVICES
FW 563	CONSERVATION BIOLOGY OF WILDLIFE
FW 564	MARINE CONSERVATION BIOLOGY
FW 565	MARINE FISHERIES
FW 570	ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN
FW 573	FISH ECOLOGY AND CONSERVATION
FW 575	WILDLIFE BEHAVIOR
FW 576	FISH PHYSIOLOGY
FW 579	WETLANDS AND RIPARIAN ECOLOGY
FW 580	STREAM ECOLOGY
FW 581	WILDLIFE ECOLOGY
FW 597	AQUACULTURE
FW 599	SPECIAL TOPICS IN FISHERIES AND WILDLIFE
MNR 530	TROPICAL FOREST ECOLOGY AND MANAGEMENT: A GLOBAL PERSPECTIVE
NSE 588	RADIOECOLOGY
SNR 530	ECOLOGICAL PRINCIPLES OF SUSTAINABLE NATURAL RESOURCES
SNR 540	GLOBAL ENVIRONMENTAL CHANGE
<i>Quantitative Skills in FW Science</i>	
BEE 511	GLOBAL ENVIRONMENTAL CHANGE: USING DATA TO INFORM DECISIONS
CH 584	INSTRUMENTS AND ONLINE INTERACTIONS IN THE SCIENCES
CH 590	COMPUTER PROGRAMMING FOR SCIENTISTS
FES 522	RESEARCH METHODS SOCIAL SCIENCE
or MNR 522	RESEARCH METHODS SOCIAL SCIENCE
FW 524	INTRODUCTION TO FISHERIES ASSESSMENT
FW 538	STRUCTURED DECISION MAKING IN NATURAL RESOURCE MANAGEMENT LAB
FW 540	VERTEBRATE POPULATION DYNAMICS
GEOG 560	GISCIENCE I: INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
GEOG 580	REMOTE SENSING I: PRINCIPLES AND APPLICATIONS
MCB 671	MOLECULAR TOOLS
or VMB 671	MOLECULAR TOOLS

ST 511	METHODS OF DATA ANALYSIS (Continues as ST 512, ST 513)		SNR 535	SUSTAINABLE MANAGEMENT OF AQUATIC AND RIPARIAN RESOURCES	
Social Sciences Core Courses			SNR 540	GLOBAL ENVIRONMENTAL CHANGE	
<i>Required</i>			SOC 580	ENVIRONMENTAL SOCIOLOGY	
FW 537	STRUCTURED DECISION MAKING IN NATURAL RESOURCE MANAGEMENT	2	SOC 581	SOCIETY AND NATURAL RESOURCES	
FW 620	ECOLOGICAL POLICY	3	WGSS 540	WOMEN AND NATURAL RESOURCES	
or FW 515	FISHERIES AND WILDLIFE LAW AND POLICY		Business, Communication, and Management Skills Core Courses		
Select a minimum of 7 additional credits of the following with at least one from each group:			Select a minimum of 6 credits of the following:		
Policy Courses			AG 521	WRITING IN AGRICULTURE	6
AEC 532	ENVIRONMENTAL LAW		AHE 534	ORGANIZATIONS AND SYSTEMS THEORY	
FES 555	URBAN FOREST PLANNING, POLICY AND MANAGEMENT		COMM 550	COMMUNICATION AND THE PRACTICE OF SCIENCE	
or HORT 555	URBAN FOREST PLANNING, POLICY AND MANAGEMENT		FW 514	PROFESSIONAL DEVELOPMENT: MEETING COMMUNICATIONS	
FW 522	INTRODUCTION TO OCEAN LAW		WR 525	ADVANCED SCIENTIFIC AND TECHNICAL WRITING	
GEOG 550	LAND USE IN THE AMERICAN WEST		WRP 521	WATER CONFLICT MANAGEMENT AND TRANSFORMATION	
PS 555	THE POLITICS OF CLIMATE CHANGE		Ethics		
PS 575	ENVIRONMENTAL POLITICS AND POLICY		Select a minimum of 1 credit of the following:		
PS 576	SCIENCE AND POLITICS		GRAD 520	RESPONSIBLE CONDUCT OF RESEARCH	1
PS 577	INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY		PHL 540	ENVIRONMENTAL ETHICS	
WRP 523	ENVIRONMENTAL WATER TRANSACTIONS		PHL 547	RESEARCH ETHICS	
Human Dimensions Courses			SNR 522	BASIC BELIEFS AND ETHICS IN NATURAL RESOURCES	
AEC 534	ENVIRONMENTAL AND RESOURCE ECONOMICS		Internship		
AEC 544	COMMODITY FUTURES AND OPTIONS MARKETS		Select a minimum of 6 credits of the following:		
AEC 552	MARINE ECONOMICS		FW 510	PROFESSIONAL INTERNSHIP	6
or MRM 552	MARINE ECONOMICS		or FW 506	PROJECTS	
FES 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK		Total Hours		
or MCB 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK		45		
or TOX 535	GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK				
FES 554	MANAGING AT THE WILDLAND-URBAN INTERFACE				
FES 585	CONSENSUS AND NATURAL RESOURCES				
FW 526	COASTAL ECOLOGY AND RESOURCE MANAGEMENT (can count as FW Core -or- Human Dimensions)				
FW 549	HISTORY OF FISHERIES SCIENCE				
FW 583	SPECIES RECOVERY PLANNING AND RESTORATION				
GEOG 540	WATER RESOURCES MANAGEMENT IN THE UNITED STATES				
GEOG 541	INTERNATIONAL WATER RESOURCES MANAGEMENT				
PHL 543	WORLD VIEWS AND ENVIRONMENTAL VALUES				
SNR 511	SUSTAINABLE NATURAL RESOURCE DEVELOPMENT				
SNR 520	SOCIAL ASPECTS OF SUSTAINABLE NATURAL RESOURCES				
SNR 521	ECONOMICS OF SUSTAINABLE NATURAL RESOURCE MANAGEMENT				

All courses on these lists are available online. Students taking on-campus or hybrid courses may find logical substitutions that can be approved by the program director.

Major Code: 1331