

HABITAT MANAGEMENT OPTION

This option is offered within the following major(s):

- Rangeland Sciences - College of Agricultural Sciences (<http://catalog.oregonstate.edu/college-departments/agricultural-sciences/animal-rangeland-sciences/rangeland-sciences-bs-hbs>)

Habitat management is about land management, which is the focus of Rangeland Sciences. In this option students will learn how to analyze and manage the complex ecology of an area for multi-species habitat in the face of disturbance and multiple uses.

Student Learning Outcomes

- Evaluate quantity and quality of habitat with focus on habitat availability throughout life history stages; and with emphasis on multi-season habitat use
- Understand effects of complex interactions of disturbance on ecosystem function related to habitat use and demography.
- Understand how social pressures relate to habitat and develop mitigation actions to reduce conflict at the human-wildlife interface.
- Identify and monitor habitat restoration activities with focus on determination of success as increased habitat use and demographic rates.

Option Code: 853

Code	Title	Hours
Required Courses		
RNG 457	HABITAT ANALYSIS 1: HABITAT USE AND MOVEMENT	3
RNG 458	HABITAT ANALYSIS 2: ABUNDANCE, OCCUPANCY AND DEMOGRAPHY	3
Fish & Wildlife Sciences		
Select 12 credits from the following:		12
FW 311	ORNITHOLOGY	
FW 315	ICHTHYOLOGY	
FW 317	MAMMALOLOGY	
FW 323	MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST	
FW 345	*GLOBAL CHANGE BIOLOGY	
FW 458	MAMMAL CONSERVATION AND MANAGEMENT	
FW 475	WILDLIFE BEHAVIOR	
FW 479	WETLANDS AND RIPARIAN ECOLOGY	
Natural Resource Management		
Select 9 credits from the following:		9
AEC 453	CONSERVATION ON PRIVATE LAND	
FES 355	MANAGEMENT FOR MULTIPLE RESOURCE VALUES	
FW 451	AVIAN CONSERVATION AND MANAGEMENT	
FW 458	MAMMAL CONSERVATION AND MANAGEMENT	
FW 462	ECOSYSTEM SERVICES	
NR 201	MANAGING NATURAL RESOURCES FOR THE FUTURE	
NR 202	NATURAL RESOURCE PROBLEMS AND SOLUTIONS	
NR 312	CRITICAL THINKING FOR NATURAL RESOURCE CHALLENGES	
NR 325	SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS	
NR 455	NATURAL RESOURCE DECISION MAKING	
TRAL 351	OUTDOOR RECREATION MANAGEMENT ON PUBLIC LANDS	
TRAL 352	WILDERNESS MANAGEMENT	

TRAL 354	COMMUNITIES, NATURAL AREAS, AND SUSTAINABLE TOURISM
TRAL 357	*PARKS AND PROTECTED AREAS MANAGEMENT
Total Hours	27

* Baccalaureate Core Course (BCC)

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