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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>RNG 457</td>
<td>HABITAT ANALYSIS 1: HABITAT USE AND MOVEMENT</td>
<td>3</td>
</tr>
<tr>
<td>RNG 458</td>
<td>HABITAT ANALYSIS 2: ABUNDANCE, OCCUPANCY AND DEMOGRAPHY</td>
<td>3</td>
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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)