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/)

Also available via Ecampus.

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

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RNG 457</td>
<td>HABITAT ANALYSIS 1: HABITAT USE AND MOVEMENT</td>
<td>3</td>
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<tr>
<td>RNG 458</td>
<td>HABITAT ANALYSIS 2: ABUNDANCE, OCCUPANCY AND DEMOGRAPHY</td>
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Fish & Wildlife Sciences

Select 12 credits from the following:

- FW 311    ORNITHOLOGY
- FW 315    ICHTHYOLOGY
- FW 317    MAMMALOGY
- 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:

- 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

Total Credits 27

* Baccalaureate Core Course (BCC)

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