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

* Baccalaureate Core Course (BCC)

Total Credits 27

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