

# FOR 240B : WILDLIFE ECOLOGY

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## Transcript title

Wildlife Ecology

## Credits

3

## Grade mode

Standard letter grades

## Contact hours total

50

## Lecture hours

20

## Lab hours

30

## Recommended preparation

FOR 240A.

## Description

Explores wildlife ecology and biodiversity in context of forest and range management. Focuses on relationship between wildlife and forest and range ecosystems, and examines the role of forest and range management in wildlife habitat management.

## Learning outcomes

1. Understand biodiversity and its importance to sustainable resource use.
2. Recognize major groupings of mammals and birds and their ecological significance.
3. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.
4. Conduct surveys for wildlife of special interest using established protocols.
5. Explain the importance of rangeland, riparian, and forested habitats to wildlife and fish.
6. Ability to survey and evaluate critical habitat features.
7. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner.
8. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

## Content outline

- Biological diversity
- Basic wildlife ecology
- Rangelands habitats
- Riparian ecology
- Forests as wildlife habitats
- Special habitat features

- Species of special interest: Large mammals
- Species of special interest: Anadromous fish
- Species of special interest: Late-seral species, silviculture for late seral species

## Required materials

Requires textbook, see syllabus for details.