

FOR 111 : FORESTRY PERSPECTIVES

Transcript title

Forestry Perspectives

Credits

4

Grade mode

Standard letter grades

Contact hours total

60

Lecture hours

30

Lab hours

30

Description

Introduction to the entire discipline of forestry, including the history of forest use and management, North American forest regions, forest ecology, mensuration and management, forest products and the importance of forest resources other than wood fiber. Also provides overview of state, regional and local employment opportunities.

Learning outcomes

1. The student will be able to describe past and present uses of the forest.
2. The student will be able to distinguish between conservation, preservation, and environmentalism.
3. The student will be able to describe forest regions of the United States.
4. The student will be able to compare and contrast the influences of Gifford Pinchot John Muir.
5. The student will be able to describe Forest Service organization.
6. The student will be able to describe the Oregon Dept. of Forestry organization.
7. The student will be able to read and prepare abstracts from resource management journals.
8. The student will be able to list examples of the work of a forester.
9. The student will be able to describe various forest resources and their management issues.
10. The student will be able to use vocabulary related to forest management and practice.
11. The student will be able to gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions;
12. The student will be able to 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;
13. The student will be able to 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

- Course Introduction
- Historical Uses of Forests
- Distribution of North American Forests
- Forest Ecology
- Fire Management
- Private Consulting and Forest Management jobs
- Forest Recreation and Wilderness Management
- Forest Products
- Harvesting Forests
- Managing State Lands
- Measuring Forest Resources
- Silviculture and Ecosystem Management
- Forest Damaging Agents
- Wildlife Conservation and Management
- Stream Restoration
- Forest Management by Federal Agencies
- State and Private Owners

Required materials

Required textbook, see syllabus for details.