

FOR 271 : APPLIED FOREST ECOLOGY

Transcript title

Applied Forest Ecology

Credits

3

Grade mode

Standard letter grades

Contact hours total

50

Lecture hours

20

Lab hours

30

Recommended preparation

FOR 240A and FOR 241A.

Description

Applies principles of forest ecology to develop a basic understanding of forest stand dynamics and silvicultural principles. Emphasis is placed on stand development, regeneration and stand analysis. Students will develop a practical understanding of stand establishment, maintenance and stand data collection. First course in sequence of FOR 271, FOR 272, and FOR 273.

Learning outcomes

1. Identify major forest pests, including insects, diseases, and parasitic plants, in the Pacific Northwest.
2. Explain the ecological role of insects and diseases in ecosystem functioning.
3. Understand and explain silvicultural, biological, chemical, and mechanical means available for control and management of forest pathogens.
4. Explain the process of integrated pest management and its role in ecosystem management.