

Geography 597A

Fall 2007

Graduate Seminar in Physical Geography: Vegetation Dynamics

This is a discussion based course that is aimed at graduate students in geography, forestry, plant ecology, and plant biology interested in vegetation ecology. In this seminar we will critically examine the concepts and methods that are used to study spatial and temporal change in terrestrial vegetation. We will discuss a wide range of topics that include:

- Disturbance and patch dynamics
- Disturbance interactions
- Contingency and multiple pathways of succession
- Historical ecology and reference conditions
- Multi-scale analysis and internal and external controls on vegetation change
- Climatic effects on vegetation change
- Multiple stable states
- Invasive species as triggers of vegetation change
- Forest understory-overstory interactions

Tentative schedule Monday and Wednesdays 1:00-2:30 but the meeting time is flexible and will be based on student schedules.

For more information contact:

Alan Taylor aht1@psu.edu, 865-1509