

Course Syllabus

Department: Environmental Conservation and Horticulture

Date: January 25, 2014

I. Course Prefix and Number: CON 243

Course Name: Introduction to Sustainable Forest Management

Credit Hours and Contact Hours: 3 credit hours and 3 contact hours

Catalog Description including pre- and co-requisites: Introduction to Sustainable Forest Management is a course that provides an introduction to past forestry practices as well as current trends in silviculture and sustainable forestry. The course explores the multitude of ecological and societal values that forests provide and are managed for. This course also emphasizes the importance of the myriad of natural and factors affecting forest ecosystem health including soils, climate, topography, ecological succession, as well as both abiotic and biotic disturbances. The effect of past management on current local forest condition will also be examined. No prerequisites (also listed as FOR 243)

Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:

Introduction to Sustainable Forest Management is an elective course for the AAS Natural Resources Conservation, AAS Natural Resources Conservation Law Enforcement, AS Environmental Studies.

II. Course Student Learning Outcomes:

The student will:

1. Demonstrate understanding of the components of sustainable forestry
2. Discuss the role of sustainable forest management in society.
3. Demonstrate an understanding of basic terminology associated with forest management
4. Demonstrate the ability to apply basic silvicultural techniques to specific forestry problems.
5. Describe how historical uses of forests have affected current management, policy and regulations.

College Learning Outcomes Addressed by the Course: *(check each College Learning Outcome addressed by the Student Learning Outcomes)*

- | | |
|---|--|
| <input checked="" type="checkbox"/> writing | <input type="checkbox"/> computer literacy |
| <input type="checkbox"/> oral communications | <input type="checkbox"/> ethics/values |
| <input checked="" type="checkbox"/> reading | <input type="checkbox"/> citizenship |
| <input type="checkbox"/> mathematics | <input type="checkbox"/> global concerns |
| <input checked="" type="checkbox"/> critical thinking | <input type="checkbox"/> information resources |

III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed): *For each identified outcome checked, please provide the specific assessment measure.*

List identified College Learning Outcomes(s)	Specific assessment measure(s)
Writing	Writing will be evaluated using an established report rubric.
Reading	Comprehension and application of mathematical concepts will be evaluated using an established laboratory report rubric.
Critical Thinking	Comprehension, analysis and appropriate application of laboratory results will be evaluated using an established report rubric.

IV. Instructional Materials and Methods

Types of Course Materials:

Textbook, outside readings, forestry equipment

Methods of Instruction (e.g. Lecture, Lab, Seminar ...):

Lecture as well as in-class and field experiences

V. General Outline of Topics Covered:

- Forest Values
- Sustainable Forestry
- History of Forestry in the United States
- Introduction to Tree Identification and Forest Types
- Abiotic and Biotic Disturbances
- Regional Forestry and Products
- Forest Economics
- Management
- Regeneration Methods
- Harvesting
- State and Federal Regulations

Forestry is an integrated discipline and as such many of the topics are intimately related and will be discussed throughout the semester when appropriate.