

CALENDAR DESCRIPTION

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: ADVANCED SILVICULTURE

Code No.: FOR 351-5


Program: FOREST MANAGEMENT TECHNOLOGY

Semester: FIVE

Date: JANUARY, 1989

Author: BOB CURRELL

New: _____ Revision: X

APPROVED: 
Chairperson

Jan 4/89
Date

CALENDAR DESCRIPTION

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS:

1. Provide an understanding of the forest as an ecosystem. The course will explain the systems of site classification currently in use in Ontario.
2. Methods of tolerant hardwood management will be described. Field work will allow students to practise tree marking and improvement cutting.
3. Forest Management Agreements (F.M.A.'s) will be explained. Study of specific agreements will take place.
4. Boreal Forest Tree planting techniques will be examined. Students will learn how to supervise a tree planting project.

METHOD OF ASSESSMENT:

- 60% - Tests (3 unit tests)
- 10% - Quizzes (following guest speakers, field trips)
- 20% - Lab work, assignments (field practice)
- 10% - Technical Report

GRADING:

- A+ - 90% or better
- A - 80 - 89%
- B - 70 - 79%
- C - 60 - 69%
- R - Repeat

TOPICS STUDIED

Unit 1 Site Classification

Site classification systems used in Ontario Forestry
Forest Ecosystem Classification
Prime Site
FLaPS (Forest Land Productivity System)

UNIT TEST #1

Unit 2 Hardwood Management

Management Systems
Improvement Cutting
Grading, Marking hardwoods
Regeneration Techniques

UNIT TEST #2

Unit 3 White and Red Pine Management

Uniform shelterwood management of White Pine
Plantation Management of Red Pine

Unit 4 Forest Administration

Timber management planning
Forest Management Agreements (FMA's)
- Purpose
- Ground rules
- Case studies

Unit 5 Tree Planting

Ordering, shipping, field storage of stock
Organization of projects
Preparing and carrying out a tree planting contract

UNIT TEST #3

A one-week Southern Ontario field trip will be held in late April.

