

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY  
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: INTEGRATED RESOURCE MANAGEMENT  
Code No.: FOR 220-4  
Program: FORESTRY  
Semester: FOUR  
Date: JANUARY, 1990  
Author: BOB CURRELL

APPROVED:   
Dean

  
Date

INTEGRATED RESOURCE MANAGEMENT

FOR 220-4

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COURSE NAME

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**PHILOSOPHY/GOALS:**

This is a course designed to give the student an understanding of the concept of Sustainable Development, particularly as it relates to natural resource management.

An explanation of global, national and local environmental problems will be provided both from an overall perspective and specifically as these problems are caused by or affect forestry operations.

The course will train the students to:

1. Understand the principles and practice of Integrated Resource Management, whereby forest lands are managed in a coordinated way to provide timber, fish and wildlife, outdoor recreation opportunities and other benefits to the people of Ontario both now and in the future.
2. Be able to use and interpret visual materials such as maps, aerial photos, charts and graphs.
3. Classify forest land according to given Resource planning criteria.
4. Understand the system of Forest Land Use Planning for Ontario.
5. Recognize and understand methods available for woodlot management.

**METHOD OF ASSESSMENT:**

50% Tests (3 unit tests)  
25% Assignments  
10% Quizzes, Lab Attendance  
15% Essay

**TEXTBOOKS:**

Timber Management Guidelines for the Provision of Moose Habitat.  
Timber Management Guidelines for the Protection of Tourism Values.

NOTE: A rewrite covering the entire course will be available for those students who obtain between 55% and 60% overall in this course.

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**TOPICS STUDIED:**

Unit 1 - Sustainable Development

Global Environmental Concerns - overview  
Environmental Problems as they affect forestry  
Introduction to the Concept of IRM (Integrated Resource Mgmt.)  
Assessing land use capacity for:  
- Forestry Production  
- Fisheries and Wildlife Management  
- Outdoor recreation  
Integrating or modifying forestry practices to maximize the benefits from timber, fish and wildlife and outdoor recreation activities.

**UNIT TEST 1**

Unit 2 - Woodlot Management

Integrated Resource Management on a small scale  
Timber Management  
Maple Syrup  
Management for Wildlife

**UNIT TEST 2**

Unit 3 - Land Use Planning in Ontario

An introduction to Ontario's land use planning system (SLUPs, DLUGs)  
Environmental Assessments  
- overview  
Environmental Assessment for Timber Management  
Land Use conflicts  
- Temagami, Queen Charlotte Islands, etc.

**UNIT TEST 3**

A day long woodlot management field trip is planned for early March.