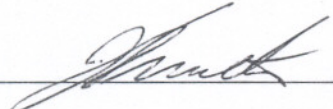


SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
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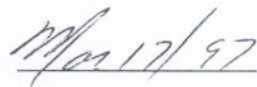
COURSE OUTLINE

Course Title: Forest Products
Course No: FOR336-3
Program: Integrated Resource Management Technology
Semester: Six
Author(s): J. Bethune
Date: December/96

APPROVED: _____



DATE: _____



TOTAL CREDITS: 3

PREREQUISITES: None

LENGTH OF COURSE: 3 Hours Per Week

FOREST PRODUCTS

FOR336-3

Course Name

Code No.

TOTAL CREDITS: 3
PREREQUISITE(S): None

I. PHILOSOPHY/GOALS:

This course will discuss wood identification, structure and function, the manufacture of lumber, plywood, particle board, strandboard, and particularly pulp & paper. Other topics will include scaling, edible forest products, including maple syrup, and the medicinal use of plants. At least three field trips to local sawmills, paper mills and/or flakeboard plants are planned.

II. STUDENT PERFORMANCE OBJECTIVES (LEARNING OUTCOMES):

Upon successful completion of this course the student will be able to:

- 1) Identify common hardwood and softwood species both by physical examination and by description.
- 2) Discuss the physical structure of hardwoods vs softwoods.
- 3) Discuss which physical properties of wood are required to make better paper.
- 4) Describe the processes to manufacture lumber, plywood, particleboard, strandboard and various types of pulp and paper.
- 5) Demonstrate a knowledge of the difference between scaling of lumber and scaling for pulp and other uses.
- 6) Demonstrate a knowledge of edible forest products.
- 7) Trace the flow of wood or product through a typical pulp and/or paper mill.
- 8) Demonstrate a knowledge of the scope of Canada's pulp & paper industry and its impact upon Canada's economy.
- 9) Demonstrate a knowledge of the basic technologies used to manufacture pulp.
- 10) Demonstrate a knowledge of the basic technologies used to manufacture paper.

FOREST PRODUCTS

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III. TOPICS TO BE COVERED:

- 1) Wood identification/structure and function.
- 2) Edible forest products.
- 3) Medicinal plant use.
- 4) Scaling.
- 5) Manufacture of lumber.
- 6) Manufacture of plywood, particleboard and strandboard.
- 7) Pulp & paper.

IV. EVALUATION METHODS:

Assignment due dates will be clearly indicated when assignments are given out and penalties will apply for late submissions. Assignments will be due at noon on the date specified, regardless of class schedule.

After the specified due date and time, the penalty imposed will be a 10% reduction in value per college scheduled class day or portion thereof. After 10 late days the assignment is technically worth zero; however, it is strongly recommended that it still be submitted.

A final grade will be derived from the results of at least three tests and at least one assignment (number to be finalized in class).

Tests (all equal value)	Total = 90%
Assignments (all equal value)	Total = 10%

The grading system will be as follows:

A+	= 90-100%,	A	= 80-89%,	B	= 70-79%,	C	= 60-69%
R	= less than 60%						

Students with a final grade of 55-59% will be permitted to write a comprehensive supplemental exam provided they have completed all assignments.

V. LEARNING ACTIVITIES/REQUIRED RESOURCES:

Learning Activities:

The above topics will be covered in class lectures and discussions as well as several field trips. Guest lecturers will be invited.

FOREST PRODUCTS

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Course Name

Code No.Resources:

There are no textbooks or manuals currently available for this course. Students must attend lectures and field trips to take notes and obtain handouts.

VI. RESOURCE MATERIAL:

Since there are no manuals or texts for this course, the main source of resource material will be class notes taken by students and notes and information gleaned on field trips.

Your Sault College Library will also contain a number of texts and periodicals which could prove useful.

VII. SPECIAL NOTES:

Students with special needs (eg. physical limitations, visual impairments, learning disabilities, etc.) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary.