

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

COURSE OUTLINE

Course Title: WOOD HANDLING AND PREPARATION
Code No.: PPE 100-2
Program: . PULP & PAPER ENGINEERING TECHNOLOGY
Semester: 1
Date: AUGUST 26, 1986
Author: A. SUGDEN

New: Revision: X

APPROVED: 
Chairperson _____ Date S

CALENDAR DESCRIPTION

WOOD HANDLING & PREPARATION

Course Name

PPE 100

Course Number

PHILOSOPHY/GOALS:

The goals of the course are to introduce the first semester Pulp & Paper student to the broad range of opportunities in the pulp and paper industry, to indicate the linkages between the pulp and paper industry and other sectors of the forest products industry and, most importantly, to start the logical and progressive course of studies through the technology of pulp and paper manufacture.

The material presented in this course will prepare the student for Pulp Technology I and II and for Pulp Testing I.

METHOD OF ASSESSMENT (GRADING METHOD):

The student will be graded on the basis of his/her performance on AT LEAST 2 tests that will be given at appropriate intervals during the semester. Each test will be of equal value. Assignments MAY be given during the semester and these will be graded and their mark included in the final grade for the course. Students will be given appropriate notice of assignments.

Mid-term and final grades will be assigned on the basis of aggregate marks accumulated. Letter grades will have the following equivalents:

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

Students having a final mark of 55-59%

TEXTBOOK(S):

Kocurek, M.J. (editor), Pulp and Paper Manufacture, Vol. 1: Properties of Fibrous Raw Materials and their Preparation for Pulping, Joint Textbook Committee of the Paper Industry, Montreal, 1984.

COURSE TOPICS:

<u>WEEK</u>	<u>TOPIC</u>
1.	Introduction to course, instructor, grading and other requirements. Introduction to the Pulp and Paper Engineering Technology program.
2.	The Canadian pulp and paper industry
3.	The Canadian and international pulp and paper industries
4.	Forest harvesting
5.	Forest wood processing
6.	Wood transport methods and economics
7.	Forest products industry, sources of chips, hog fuel etc.
8.	Wood defects and their effects on processing
9.	Wood yard measurement
10.	Wood delivery to mill, wood handling in mill, costs etc.
11.	Slashing, debarking of roundwood
12.	Chipping and chip screening
13.	Wood identification and why we should be concerned
14.	Chip and wood storage and inventory
15.	Chip quality aspects
16.	Chip and bolt reclaim and delivery to pulping process

REFERENCES

There are several other reference sources available in the library. A listing of these will be provided during the semester.