

SAULT COLLEGE OF APPLIED ARTS 6 TECHNOLOGY
SAULT STE. MARIE, ONTARIO

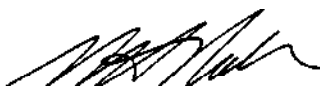
COURSE OUTLINE

Course Title: PULP AND PAPER INDUSTRY OVERVIEW
Code No.: PPE 150-2
Program: PULP AND PAPERMAKING OPERATIONS
Semester: SEMESTER I
Date: MARCH 1989
Authors: ADAM SUGDEN

New:

Revision:

APPROVED:


Chairperson *

Date 2**??//*

CALENDAR DESCRIPTION

P & P INDUSTRY OVERVIEW

PPE 150-2

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS:

This is a survey course designed to give the beginning student a broad understanding of the scope of the Ontario, Canadian and global pulp and paper industry. The size, socio-economic value and product range of the industry will be studied.

Basic coverage of the technologies used in product manufacture will be covered. The economics of the industry, including the integration with the sawmilling industry will be dealt with. Problems facing the industry, some possible solutions and the likely shape of the future industry will be discussed.

METHOD OF ASSESSMENT:

Students will be graded on the basis of their performance on two tests given at appropriate intervals during the semester. Letter grades will be assigned according to the standard Sault College system. Students having a final overall cumulative percentage between 50 and 59% may be permitted to write a supplemental examination that will cover the material from the entire course.

TEXTBOOK(S):

While there is no true textbook for this course, a general reference book will be required for this and other courses. This book is:

Smook, G., Handbook for Pulp & Paper Technologists. Joint Textbook Committee of the Paper Industry, CPPA, Montreal, 1982.

OBJECTIVES;

The overall educational objective of this course is that the student will be able to demonstrate basic knowledge of the technologies, scope and size of the pulp and paper industry in Ontario, Canada and other selected regions of the world. Specific objectives to be met are as follows:

1. Demonstrate a knowledge of the size, importance and range of products made in the Ontario pulp and paper industry.
2. Demonstrate a working knowledge of the size, importance and location of pulp and paper production facilities in the rest of Canada.
3. To be able to identify the important areas of the world that compete with Canadian markets for pulp and paper.
4. To be able to differentiate between the basic technologies used in the manufacture of pulp and paper.
5. To demonstrate a knowledge of the different factors that relate to the economics of the manufacture and sale of pulp and paper.
6. To demonstrate an understanding of selected problems facing the pulp and paper industry and to be able to offer possible solutions.
7. To demonstrate a grasp of what the pulp and paper industry may look like in the future.

NATURE OF PRESENTATION:

The course will be given for two hours per week using one double period so that suitable visual aids can be used to enhance the lecture material. This format also allows the freedom to have periodic guest speakers.

TOPICS COVERED:

WEEK	TOPIC
1.	- Introduction to course topics - Overview of the Ontario pulp and paper industry
2.	- Size, location and products of the Ontario pulp & paper industry
3.	- Size, location and products of the Canadian pulp & paper industry
4.	- Field trip to local mill
5.	- Global competition in pulp and paper
6.	- Raw materials used by the pulp and paper industry - Test 1
7.	- Basic technologies used to manufacture pulp
8.	- Basic technologies used to manufacture paper
9.	- Introduction to the economics of pulp and paper manufacture.
10.	- Guest speaker
11.	- Environmental aspects of pulp & paper manufacture
12.	- Some practical problems based on mill experience
13.	- Potential problems for the pulp & paper industry - Some possible solutions
14.	- The pulp and paper industry in the future
15.	- Review - Test 2