

SAULT COLLEGE OF APPLIED ARTS & 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:** AUGUST 1989

**Author:** ADAM SUGDEN

**New:**

**Revision:**

**CALENDAR DESCRIPTION**

**P & P INDUSTRY OVERVIEW**

**PPE 150-2**

**COURSE NAME**

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**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. The letter grades are as follows:

A+ 90-100%  
A 80- 89%  
B 70- 79%  
C 60- 69%  
R <60%

**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:**

<b>WEEK</b>	<b>TOPIC</b>
1.	Introduction to course topics Overview of the Ontario pulp and paper industry- Size, location and products of the Ontario pulp & paper industry
3 & 4	Size, location and products of the Canadian pulp & paper industry
5.	Global competition in pulp and paper
6.	Field trip to local mill
7.	Raw materials used by the pulp and paper industry Test 1
8 & 9	Basic technologies used to manufacture pulp
10 & 11	Basic technologies used to manufacture paper
12.	Economics of pulp and paper manufacture. Environmental aspects of pulp & paper manufacture
13.	Potential problems facing the pulp & paper industry
14.	The pulp and paper industry in the future
15.	Review Test 2