

SAULT COLLEGE  
of Applied Arts and Technology  
Sault Ste. Marie

COURSE OUTLINE

APPLIED PHYSICS

PHY 100-3

Taught To Pulp & Paper and Water  
Resources in Semester 1

**r6V!S6d** >larch, 1983 by G. MacInnis

NUMBER	PERIODS	TOPIC DESCRIPTION	REFERENCE
		<u>INTRODUCTION</u>	
		Systems and precision of measurement Scope of physics - energy in various forms Preparation and analysis of graphs Vectors	
2	17	<u>MECHANICS</u>	
		Force and Motion Work, Energy & Power Basic Machines, Friction, Efficiency	
3	22	<u>MECHANICAL PROPERTIES OF MATTER</u>	
		Structure of Matter Properties of Solids Properties of Liquids including surface tension, capillary action, hydrostatics, Archimedes' Principle, hydraulics, Bernoulli's Principle and pumps Properties of Gases	

TEXT: INTRODUCTORY APPLIED PHYSICS, 4TH EDITION, HARRIS/REMMERLING - MCGRAW-HILL, 1980.