SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE MARIE ONTAR|IO

COURSE OUTLINE

COURSE TITLE: Introduction to Technology,

CODE NO.: TEC 100

PR0GRAM: General Arts & Science - Pre- Technology

SEMESTER: One/Two £* ,^

DATE; December 1991

AUTHOR W.J.Adolph

NEW REVISION

APPROVED _____ 94^01/0^
Chairperson Date

INTRODUCTION TO TECHNOLOGY TEC 100

PHILOSOPHY/GOALS

The goals of this course are to introduce and expose the student to the world of technology, the jobs that technology offers, the requirements of the various technology programs offered at the Sault College and some limited experience with the some of the science concepts that are essential to beginning a program in Technology. Success in this course means that at the conclusion of the course the student should have made up his / her mind about a future in technology, one way or the other.

METHOD OF ASSESSMENT

In addition to assisting the student to make a career choice, success in this course depends very much upon the exposure of the student to the course activities. Therefore attendance and participation are important in the assessment of the students performance. In addition, tests and quizzes to ascertain the student's proficiency with the basic concepts of the science behind technology also count towards a final assessment and grade.

Attendance and participation 50%

A record will be kept of your attendance in class 90% attendance will result in full attendance marks, while 60% attendance will leave you with only half of the attendance marks.

Tests, quizzes and assignments 50%

The majority of the tests are in a quizz format allowing a greater frequency of testing in a more informal atmosphere. The following is an indication of the testing and hand-in assignment schedule.

Topic #1	1 quizz	5%
Topic #2	2 quizzes	10%
Topic #3	1 quizz, 1 assignment	10%
Topic #4	3 quizzes, 1 test	25%

Final Grade

The average mark that you have attained after weighing in accordance to the preceeding formulae will be converted into a letter-grade equivalent according to the scale below.

A+	91 - 100 %	Consistently outstanding
A	76 - 90 %	Outstanding
B	66 - 75 %	Above average
C	55 - 65 %	Acceptable achievement
X or R	less than 55 %	Incomplete or repeat

If your final average is less than 55% and if the main reason is poor attendance and participation then an R is assigned. If however, attendance has been above 80% then an X grade will be assigned, giving you the opportunity, if you choose, to write an examination on the work of the semester.

COURSE TEXT: Conceptual Physics, Sixth Edition
Paul G. Hewitt
Distributed by Gage Publishing Company
(Preferred Text)

or

Basic Technical Physics
Paul E. Tippens
Second Edition

COURSE OUTLINE
TEC 100

Topic No.	Periods	Topic Description	Reference
	9	The World of Technology Divisions Careers Hierarchy About Science	Video
	12	The Tools of Technology Algebra Exponents Graphs Geometry Basic Trig	Instrtr Supp
	12	Communicating in Technology Memos, Work Orders Reports Drafting - CAD Calculator Skills Units and Dimensional Analysis Measurement of area, volume	Inst Visit Instrt
		The science behind of Technology	
	6	Force and vectors Addition, resultant, equilibrant Vector components	
	6	Fluids Density Pressure Pressure due to atmosphere Pressure due to depth Hydraulic Press Buoyancy	
	6	Temperature and Heat Measuring Temperature Absolute scales Quantity of Heat	
	12	Electricity and Magnetism Electro statics Electric current Magnetism Induction	