## SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

## SAULT STE. MARIE, ON

## COURSE OUTLINE

COURSE TITLE: ENGINEERING SCIENCE

CODE NO.: ELR 105

SEMESTER: TWO

**PROGRAM:** ELECTRICAL/ELECTRONICS

AUTHOR: BILL ARMSTRONG

DATE: JANUARY 1993

PREVIOUS OUTLINE DATED: AUGUST 1989

WFilipowich 2Paragutt APPROVED: DEAN

93-02-22 DATE



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COURSE	NAME	

ELR105 CODE NO.

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TOTAL CREDIT HOURS:

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PREREQUISITE(S): NONE

I. PHILOSOPHY/GOALS

To provide the student with some basic skills in the measurement of physical quantities commonly encountered in today's industrial processes. To provide the student with a brief study of the scientific fundamentals associated with these quantities and their measurement methods.

**II. STUDENT PERFORMANCE OBJECTIVES:** 

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Upon successful completion of this course, the student will be able to:

- describe various methods of temperature, flow, level and pressure measurement.

- explain the fundamental scientific concepts behind these measurement methods.

- perform many of the above methods in the laboratory.

- calculate solutions to assigned problems dealing with measurement fundamentals.