

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY
SAULT STE. MARIE, ONT.

INSTRUMENTATION
COURSE NAME

ELN 229
CODE NO.

TOTAL CREDITS: 6K

COURSE OUTLINE

PREREQUISITE(S): ELN-213

COURSE TITLE: INSTRUMENTATION-PROCESS CONTROL

CODE NO.: ELN 229

SEMESTER: FOUR

PROGRAM: ELECTRICAL/ELECTRONIC TECHNICIAN/TECHNOLOGY

AUTHOR: BILL ARMSTRONG

DATE: JAN. 1, 1996

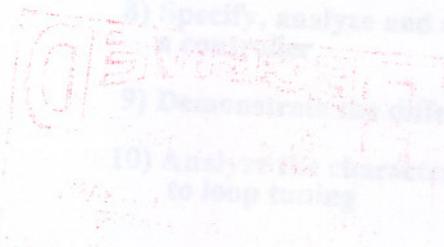
PREVIOUS OUTLINE DATED: JAN. 1, 1994

APPROVED:

R.P. Chisworth
DEAN

DATE

96-01-08



III. TOPICS TO BE COVERED:

- 2) Temperature measurement**
- 3) Pressure measurement**
- 4) Level measurement**
- 5) Flow measurement**
- 6) Open and closed loop control modes**
- 7) Control systems**
- 8) Controller tuning**
- 9) Automatic control loops**

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- V. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, QUIZZES, WRITTEN TESTS, PRACTICAL TESTS, ATTENDANCE REQUIREMENTS, ETC.) YOUR INSTRUCTOR RESERVES THE RIGHT TO USE ALL, OR A SELECTION OF THE ABOVE STATED METHODS.**

THEORY TESTS, QUIZZES, ASSIGNMENTS, PRACTICAL WORK AS SET BY YOUR INSTRUCTOR 90%

SUBJECTIVE EVALUATION BASED ON ATTENDANCE, PARTICIPATION, AND WORK HABITS. 10%

TOTAL 100%

THE GRADING SYSTEM IS AS FOLLOWS:

A+ = 90% - 100%

A = 80% - 89%

B = 70% - 79%

C = 55% - 69%

R = Repeat (Student must repeat the course)

**X = Temporary grade assigned, at the discretion of your instructor, to a student who has not successfully completed the course material, due to extenuating circumstances.
(Refer to Student Handbook**

VI. REQUIRED STUDENT RESOURCES

Text: Industrial Electronics-Maloney

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:

Book Section (TITLE, PUBLISHER, EDITION, DATE, LIBRARY CALL NUMBER IF APPLICABLE - SEE ATTACHED EXAMPLE)

Periodical Section (MAGAZINES, ARTICLES)

Audiovisual Section (FILMS, FILMSTRIPS, TRANSPARENCIES)

VIII. SPECIAL NOTE

Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.