

#122 of

ELR 302/311

RESEARCH PROJECT/REPORT

This course is designed to apply the student's organizational, technical, mathematical and report writing skills to a project related to the subject of the project/report. The subject of the project/report is selected between each student and their advisor.

SAULT COLLEGE

Course Title : RESEARCH PROJECT/REPORT

Code No.. : ELR 311

Program : ELECTRICAL TECHNOLOGY

Semester : SIX

Date : MAY 1986

Author : R. PEARMAN

New: \_\_\_\_\_ Revision:  X

APPROVED:

J.P. Crozetta  
CHAIRMAN

DATE

ELR 303/311

**PHILOSOPHY/GOALS:**

This course is designed to apply the student's organizational, technical, mathematical and report writing skills to a program related electrical design project. The subject of the project/report is selected between each student and his/her advisor.

**METHOD OF ASSESSMENT (GRADING METHOD):**

Daily Log Book - 50%  
Final Research Report - 50%

Note The daily log book is mandatory and is to be reviewed periodically for evidence of progress, completeness, organization and neatness.

**FINAL MARKS**

A	--	80	-	100%
B	--	66	-	79%
C	--	55	-	65%
R	--	REPEAT		

**TEXTBOOK:**

NONE

Course Outline

Electrical students may select from any one of the suggested topics or one of their own provided it is electrical/power related. Only one student is allowed per topic. The choice must be made early in the fifth semester.

**SPECIFIC OBJECTIVES**

1) Daily log book - must be kept and shall contain the following:

Abstract - A one page synopsis of the proposed project and intended method of dealing with the subject

Proposed Schedule - A list of target dates of completion of design, requisition, fabrication, test and report stages

Design/Selection - Complete engineering design/selection notes including calculations, sketches, schematics, specifications, assembly and test procedures. All sources in the design/selection process must be documented.

Fabrication/Test - All setups, data, graphical recordings and photos must be included as well as an account of the problems encountered. REMEMBER: The daily log is your diary.

- 2) Two copies of a typewritten technical project report culminates the technologists program. It is expected to be logical, factual, grammatically correct and demonstrate the application of an engineering principle/problem solving approach. The report should contain reference to current technical literature with regard to theory, procedures and tests. Suitable illustrations, photographs, diagrams and tables should be included. The report should be on 8 1/2" x 11" paper, double spaced and properly bound. The report should be organized as follows;
  - a) Title page and declaration of authorship
  - b) Table of contents
  - c) List of acknowledgements of sources of help/inspiration
  - d) The abstract
  - e) The main body of the report with design, fabrication, test and final conclusion sections.
  - f) Appendices to include any supporting data such as equipment specifications used in design
  - g) Bibliography

