

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE OUTLINE: RESEARCH REPORT
CODE NO.: ELR 311 - 3
PROGRAM: ELECTRICAL TECHNOLOGY
SEMESTER: SIX
DATE: DECEMBER 1992
PREVIOUS
OUTLINE DATED: JANUARY 1991
AUTHOR: R. MCTAGGART

NEW: _____ REV.: X

APPROVED:

W. Filipowich
COORDINATOR

Jan 4/93
DATE

A. Royth
DEAN

93-01-05
DATE

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TOTAL CREDIT HOURS: 45

PREREQUISITE(S):

PHILOSOPHY/GOALS:

THE RESEARCH REPORT IS INTENDED TO DEMONSTRATE THAT THE STUDENTS CAN FUNCTION AT THE ENGINEERING TECHNOLOGY LEVEL. THE PROJECT MAY BE A HARDWARE OR SOFTWARE SYSTEM DEVELOPMENT OR OTHER APPROPRIATE RESEARCH AS AGREED UPON BY A FACULTY ADVISOR.

STUDENT PERFORMANCE OBJECTIVES:

UPON SUCCESSFUL COMPLETION OF THIS COURSE, THE STUDENT WILL BE ABLE TO:

- 1) RESEARCH AND PREPARE A DETAILED TECHNICAL REPORT.
- 2) DEMONSTRATE GOOD PROJECT MANAGEMENT SKILLS.
- 3) DESIGN, BUILD AND DEMONSTRATE A TECHNICAL PROJECT (IF APPLICABLE).

TOPICS TO BE COVERED:

AS APPROVED BY FACULTY ADVISOR.

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LEARNING ACTIVITIES

REQUIRED RESOURCES

RESEARCH AS REQUIRED BY INDIVIDUAL
PROJECT/REPORT.

THE STUDENT WILL MAINTAIN A DAILY
LOGBOOK (PROJECT DIARY) AS A RECORD
OF PROGRESS.

PERIODIC STATUS REPORTS WILL BE
SUBMITTED TO THE FACULTY ADVISOR TO
ENSURE ADEQUATE PROGRESS IS BEING
MADE TOWARD COMPLETION OF THE PROJECT

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METHOD(S) OF EVALUATION

THE FINAL GRADE OF THIS COURSE WILL BE BASED ON EVALUATIONS OF THE STUDENT'S FINAL REPORT, PROJECT IMPLEMENTATION, AND MANAGEMENT SKILLS.

MARKING SCHEME:	FINAL REPORT	40%
	FUNCTIONABILITY	40%
	DAILY LOG	10%
	MANAGEMENT SKILLS	10%

IN ORDER TO ATTAIN A PASSING GRADE THE STUDENT MUST HAVE AN OVERALL AVERAGE OF AT LEAST 55% AND A WORKING PROJECT.

THE GRADING SYSTEM USED WILL BE AS FOLLOWS:

A+ = 90 - 100% A = 80 - 89% B = 70 - 79% C = 55 - 69%
R REPEAT

REQUIRED STUDENT RESOURCES:

WILL VARY DEPENDING ON INDIVIDUAL PROJECTS.

ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY BOOK SECTION:

SPECIAL NOTES:

STUDENTS WILL BE GIVEN A SCHEDULE AND FURTHER DETAILS CONCERNING FORMATS FOR THE FINAL REPORT AND LOGBOOK AFTER GROUP HAS FIRST MEETING.