SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE OUTLINE: RESEARCH REPORT

CODE NO.:   ELR 311 - 3

PROGRAM: ELECTRICAL/ELECTRONIC TECHNOLOGY

SEMESTER: SIX

DATE: JANUARY 1991

PREVIOUS
OUTLINE DATED: JANUARY 1990

AUTHOR: R. MCTAGGART

NEW: _____ REV.: __X__

APPROVED: _____   _____
              COORDINATOR   Jan 3, 1991
                                          DATE

              _____   _____
              DEAN   90/01/03
                                          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 = 65 - 79%   C = 55 - 64%

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.