

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: DRAFTING & DESIGN (R-2000)

Code No.: ARC 202-5

Program: ARCHITECTURAL

Semester: THREE

Date: AUGUST, 1988

Author: MEL URSELL

New: X Revision:

APPROVED: *L.P. Crozith*
Chairperson

88/08/30
Date

CALENDAR DESCRIPTION

DRAFTING & DESIGN (R-2000)

ARC 202

Course Name

Course Number

PHILOSOPHY/GOALS:

- To understand the principles of Energy Efficient Design;
- To utilize the computer in Residential Energy Analysis and Simulation;
- To detail Energy Efficient Envelopes

TEXTBOOK(S):

- 1) "R-2000 Builders Manual"
by Canadian Home Builders Association
- 2) "Hot 2000 Energy Analysis Software Users Manual"
by National Research Council
- 3) "Students Design Handbooks"
by Ministry of Energy & Ministry of Mines & Resources

METHOD OF ASSESSMENT (all courses)

The following grades will be assigned:

A - 75-100%	consistently above average achievement
B - 66- 74%	average achievement
C - 55- 65%	satisfactory achievement
I - incomplete	
R - Repeat	the student has failed to achieve the objectives of the course and must repeat the course

The "I" grade (incomplete) designation indicates that the student has not completed the objectives required in specific course areas.

Semester work will be made up of formal tests and assignments. All tests and assignments must be completed when assigned. Late assignments or projects will not be tolerated.

Attendance is also mandatory in all classes.

Tests and assignments will be given on a regular basis throughout the semester. The weighted grade between practical theoretical work will depend on the type of course. Final examinations are also mandatory for any student that does not maintain an "A" average in the course or who has not completed all assignments by their due date.

NOTE: Chronic absenteeism by any student will result in the student not being admitted to class and ultimately his failure to receive an acceptable grade in the course.

COURSE OUTLINE

ARC 202-5

ALTERNATE

PERIODS	TOPIC INFORMATION
6	Module 1 - Introduction to the R2000 Program <ul style="list-style-type: none">a) Historyb) Objectivesc) Who is involvedd) The Design Competitione) Impact on Builders & Designersf) Conventional vs R2000 Design
6	Module 2 - Air Leakage in Houses <ul style="list-style-type: none">a) Locationsb) Implicationsc) Fan Depressurization Testsd) Air Leakage Sealinge) Evaluation & Problem Solving
6	Module 3 - Introduction to R2000 House Construction <ul style="list-style-type: none">a) Technical Requirementsb) Pros & Consc) Materialsd) Drawings & Specifications
6	Module 4 - R2000 Foundation Options <ul style="list-style-type: none">a) Externally Insulatedb) Internally Insulatedc) Detailingd) Problemse) Preserved Wood Foundationsf) Slab on Gradeg) Crawl Spaces

