SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: APPLIED CAD II

Code No.: CAD 222-3

Program: ARCHITECTURAL

Semester: THREE

Date: AUGUST, 1988

Author: MEL URSELL

New: _X_____   Revision: _____

APPROVED: _____   _88/08/30_____
          Chairperson   Date

CALENDAR DESCRIPTION

APPLIED CAD II	CAD 222-3
Course Name	Course Number

PHILOSOPHY/GOALS:

-- To apply the "AUTOCAD" fundamentals learned in CAD 120-3 "INTRODUCTION TO CAD";

-- To learn advanced techniques in autocad such as customization;

-- To apply CAD principles to Architectural working drawings.

METHOD OF ASSESSMENT (GRADING METHOD):

The student's final semester grade will be based on:

        40% for formal tests, and
        60% for assignments and applied projects

TEXTBOOK(S):

    Inside AutoCad -- by Raker & Rice
    Advanced Techniques in AutoCad -- by M. Thomas

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

APPLIED CAD II

CAD 222-3

PERIODS	TOPIC INFORMATION
6	**Unit #1 - Review of Basic Autocad Commands**

a) Getting Started
b) Graphic Commands
c) Editing Commands
d) Display Commands
e) Layers & Line Types
f) Blocks
g) Dimensioning
h) Plotting
i) 3-D Level

6	**Unit #2 - Review of DOS**

a) Basic DOS Commands
b) Creating Directories
c) Edlin
d) Disk Organization
e) Files
f) Removing & Deleting Files

6	**Unit #3 - Customization of Autocad**

a) Creating Screen Menus
b) Utilizing the Line Editor
c) Acad Menu Codes

6	**Unit #4 - Creating Tablet Menus**

a) Creating Tablet Symbols
b) Configuring the Tablet
c) Custom Tablets

6

Unit #5 - Creating Custom Slide Shows

a) Script Files
b) Mslide
c) Vslide
d) Graphic Simulation

6

Unit #6 - Introduction to Autolisp

a) The Lisp Programming Language
b) Variables
c) Functions
d) Geometry with Autolisp
e) Creating a simple Macro program

9

Unit #7 - Applied Architectural Projects

a) Floor Plans
b) Site Plans
c) Architectural Details
d) Sections
e) Elevations
f) Schedules