

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: DRAFTING

Code No.: ARC 115-4


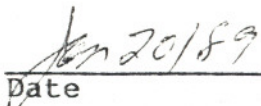
Program: CIVIL ENGINEERING TECHNICIAN

Semester: II

Date: JANUARY, 1989

Author: S. IENCO

New: _____ Revision: X

APPROVED:  
Chairperson Date

CALENDAR DESCRIPTION

DRAFTING

ARC 115-4

COURSE NAME

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PHILOSOPHY/GOALS:

Following the successful completion of DRF 110, the student will be introduced to a wide variety of drawings, schedules and sketches that are widely used in the civil engineering industry.

METHOD OF ASSESSMENT:

The final grade will be based on the assignments average.

A+	93% - 100%
A	83% - 92%
B	70% - 82%
C	55% - 69%
R	Repeat
X	A temporary grade, limited to situations with extenuating circumstances, giving a student additional time to complete the requirements of the course

- 1) Minimum acceptable grade is 60%
- 2) Each assignment will carry equal weight. Late submissions will be penalized with a loss of 20% for the first day late and an additional 10% for each subsequent late day.
- 3) Attendance, lateness and attitude will be considered in assessment.

TEXTBOOK(S):

Fundamentals of Engineering Drawing,
Luzadder

REFERENCES:

C.S.I.S.C. Detailing practices

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DRAFTING

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
1		<u>Municipal and Highway Drawings</u> - plotting of a contour map - plotting of a city plan (on mylar) - highway alignment - sewer plan and profile - storm water manhole detail
2		<u>Foundations and Walls</u> - foundation section and detail - foundation plan layout - wall elevation - site layout (theory)
3		<u>Structural Steel and Concrete</u> - structural steel beam detail - structural steel column detail - structural concrete beam detail - architectural concrete panel detail - stair stringer detail
4		<u>General Graphs, Schedules and Tables</u> - reinforcing bar schedule - progress bar graph

GENERAL OBJECTIVES:

- 1) to read civil engineering drawings accurately and quickly
- 2) to develop neat sketching ability.
- 3) to produce broad range of civil engineering drawings.
- 4) to develop good inking techniques.