

#195

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

COURSE OUTLINE

Course Title: SKETCHING AND BLUEPRINT READING
Code No.: DRF119-03
Program: Welding and Fabricating
Semester: One
Date: APRIL 1989
Author: G. Michaud

New: _____ Revision: XX

APPROVED:

San Murphy
Chairperson

April 17/89
Date

SKETCHING AND BLUEPRINT READING

Approximate minimum hours of study.

THEORY

45 HOURS PER SEMESTER

SKETCHING AND BLUEPRINT READING

SECTION	THEORY	TOPIC INFORMATION
A	1 hour	<ul style="list-style-type: none">- the working drawing- main types of blueprint format- sketching multi-view drawings- sketching pictorial drawings
B	1 hour	<ul style="list-style-type: none">- types of sectional views- auxiliary views
C	1 hour	<ul style="list-style-type: none">- format of a working drawing- material lists- types of blueprints
D	1 hour	<ul style="list-style-type: none">- dimensions and tolerances- typical dimensions- basic dimensioning system
E	2 hours	<ul style="list-style-type: none">- materials and threaded fasteners- structural shapes and terms- standards for structural materials
WRITE TEST MFD1T		
F	6 hours	<ul style="list-style-type: none">- welding symbols- types of weld joints- basic weld types- weld dimensions
WRITE TEST MFD2T		
G	3 hours	<ul style="list-style-type: none">- welding procedures- code standards and specification- reading and interpreting a welding procedure

WRITE TEST MFD3T

SECTION**THEORY****TOPIC INFORMATION**

H

4 hours

- pipefitting symbols for welding
- drawings for piping systems
- dimensioning piping systems

WRITE TEST MFD4T

I

4 hours

- reading welding blueprints
- procedures for reading blueprints
- interpreting shop blueprints

WRITE TEST MDF5T

J

1 hour

- reading concrete and reinforcing steel drawings

K

2 hours

- reading steel erection drawings

L

4 hours

- reading structural steel detail drawings
- calculating weights in bill of material

WRITE TEST**TOTAL HOURS****30**

ADDITIONAL EXERCISES

	DRAFTING	EXERCISES
A1	4 hours	- detail drawing of steel column - detail drawing of steel beam (Drafting Mark)
A2	2 hour	- detail drawing of channel iron door frame (Drafting Mark)
A3	2 hours	- draw template for 4 piece 90 deg. elbow (Drafting Mark)
A4	3 hours	- draw template for "Y" fitting (Drafting Mark)
A5	3 hours	- draw template for a rectangle to round transition piece (Drafting Mark)
A6	1 hour	- draw template for a cone (Drafting Mark)

TOTAL HOURS 15