

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

BLUEPRINT READING

COURSE TITLE:

CODE NO: IRN 702

SEMESTER: N/A

PROGRAM: IRONWORKER - INTERMEDIATE

AUTHOR: D. SOCCHIA

DATE: Jan 95

PREVIOUS OUTLINE DATED: Jan 94

APPROVED: 
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DATE

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TOTAL CREDITS: 24 Hours (8 x 3)

PREREQUISITE(S): Ironworker Apprenticeship

I. PHILOSOPHY/GOALS:

To provide apprentices with a preparatory overview of structural blueprints thereby enabling them to work from typical site, erection and shop drawings while under the supervision of a skilled tradesperson. To provide the necessary background for the next level of training.

H. STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):

Upon successful completion of this course the student will:

- 1) Identify and select site / erection and shop drawings.
- 2) Recognize plan / wall elevations, anchor bolt patterns and standard abbreviations.
- 3) Understand shop drawings and their components.

m. TOPICS TO BE COVERED:

Approximate Time

1. Course Introduction and Orientation
2. Review of Typical Site and Erection Drawings.
3. Standard Building Components vs. W59.1 Fitup and Welding Requirements.
~—~ Theory Test # 1 and Review ~—~
4. Bench Marks and Floor / Wall Elevations.
5. Anchor Bolt Patterns.
Theory Test # 2 and Review
5. Shop Drawings and Their Components.
~——Theory Test # 3 and Review——~

TOTAL HOURS 24

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IV. EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS ETC.)

General Assessment	Final Mark*
A = 85 to 100%	Tests 70%
B = 75to 84%	Assignments / Quiz(s) 30%
C = 60to 74%	
D = 50to 59%	Attendance (**See Attached)
F = Oto 49%	

V. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor. Credit for prior learning will be given upon successful completion of the following:

1. Written proof of the successful completion of a mathematics course with student outcomes and course topics that are at least 80% compatible with IRN 702.
<OR>
2. The successful challenge of all three IRN 702 theory tests and a resulting average mark of at least 75%.

VI. REQUIRED STUDENT RESOURCES:

Scientific Calculator (Basic Math Functions plus Trig Ratios)
 3 Pens - (1 blue, 1 black, 1 red)
 Binder c/w Paper
 Ironworker Texts
 Steel Tape Rule (cw Imperial and Metric Scales)

VH. SPECIAL NOTES:

Students with special needs (eg physical limitations, visual impairments, hearing impairments, learning disabilities etc.) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

Attendance to all classes is mandatory and will be recorded on an "hour-by-hour" basis using the "Record of Attendance Form".