

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

## COURSE OUTLINE

COURSE TITLE: BLUEPRINT READING

CODE NO: IRN 802 SEMESTER: N/A

PROGRAM: IRONWORKER - ADVANCED

AUTHOR: D. SOCCHIA

DATE: August 1993 PREVIOUS OUTLINE DATED:

APPROVED: \_\_\_\_\_  
Dean, School of Technical Trades

Dat°

COURSE NAME: BLUEPRINT READING CODE NO. IRN 802

TOTAL CREDIT HOURS: 24 (8 x 3hrs)

PREREQUISITE(S): Ironworker apprenticeship plus the successful completion of the basic and intermediate levels of training.

**I. PHILOSOPHY/GOALS:**

To provide apprentices with an over-all review of the concepts and principles for structural blueprint reading as developed by C.I.S.C. and A.I.S.C. standards. Ideally, graduates should be able to work from typical site/erection drawings and structural shop drawings with a minimum of supervision.

**II. STUDENT PERFORMANCE OBJECTIVES:**

**Upon successful completion of this course the student will:**

- 1) Make up a typical 'Bill of Material'.
- 2) Read structural shop drawings c/w notes, dimensions and welding symbols.
- 3) Read site and erection drawings c/w notes, dimensions and elevation references.

**III. TOPICS TO BE COVERED:**

- |  |      |
|--|------|
| 1) Course Introduction and Orientation | 1 Hr |
| 2) The Welding Symbol                  | 6    |
| 3) THEORY TEST // 1. and REVIEW        | 2    |
| 4) Reading Structural (Shop) Drawings  | 6    |
| 5) THEORY TEST // 2 and Review         | 2    |
| 6) Reading Site and Erection Drawings  | 6    |
| 7) THEORY TEST // 3.                   | 1    |

**NOTE:** The instructor reserves the right to modify and / or change course objectives and topics in order to better serve the needs of the class.

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

General Assessment

A = 85 - 100 %  
B = 75 - 84 %  
C = 60 - 74 %  
D = 50 - 59 %  
F = 0 - 49 %

\*Final Mark

Theory Tests 80 %  
Quiz(s) 20 %

**REQUIRED STUDENT RESOURCES**

2 Pens - ( 1 blue, 1 red )  
2 Pencils ( HB or H lead )  
Binder c/w paper  
Ironworker Texts

**SPECIAL NOTES**

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