

#165

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 APPRENTICE - ADVANCED

AUTHOR: D. SOCCHIA

DATE: MARCH 1994

PREVIOUS OUTLINE DATED: AUGUST 93

APPROVED:

  
Dean, School of Technical Trades

Date

Jlp l  
t "" MAY 03 1995

COURSE NAME. BLUEPRINT READING

CODE NO. IRN 802

TOTAL CREDIT HOURS: 24 Hrs. (8 x 3 hrs)

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
2. The Welding Symbol
3. Theory Test #1 and Review
4. Reading Structural Shop Drawings
5. Creating 'Bills of Material' and typical 'Cutting Lists'
6. Assignment #1
7. Reading Site and Erection Drawings
8. Assignment #2

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.

**V. 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

Tests and Assignments	75%
Quiz(zes)	25%
TOTAL	100%

**ATTENDANCE TO ALL CLASSES IS MANDATORY AND WILL BE RECORDED ON AN HOUR BY HOUR BASIS USING THE 'RECORD OF ATTENDANCE' FORM.**

**VI. REQUIRED STUDENT RESOURCES**

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

**VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY:**

Book Section (title, publisher, edition, date, library call number if applicable - see attached example)

Periodical Section (Magazines, Articles)

Audiovisual Section (Films, Filmstrips, Transparencies)

**VIII. SPECIAL NOTES**

Students with special needs (eg. physical limitation, visual impairments, hearing impairments, learning disabilities) 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 the students.