

#105

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

**COURSE OUTLINE**

COURSE TITLE: TRADE THEORY

CODE NO: IRN800


SEMESTER: APPRENTICESHIP

PROGRAM: IRONWORKER - ADVANCED

AUTHOR: P. MARTINSEN

DATE: FEBRUARY 1995

PREVIOUS OUTLINE DATED: AUGUST 1993

APPROVED:   
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Dean, School of Technical Trades

CXA-M/K  
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TOTAL CREDIT HOURS: 80 HRS. (10 X 8)

PREREQUISITE(S): Ironworker apprenticeship plus the successful completion of the Basic and Intermediate levels of in-school training.

**I. PHILOSOPHY/GOALS:**

To provide the apprentice with the theory in the area's of levels and transit work, the layout of stairs, template development. A review of all three levels of training (Basic, Intermediate and Advanced) will be covered in order to better prepare the apprentice for the C.F.Q. Exam.

**II. STUDENT PERFORMANCE OBJECTIVES:**

Upon successful completion of this course the student will:

be able to operate a level, calculate and transfer evaluations, layout stairs, handrail, calculate stair rise and runs, etc. The student will also be able to develop templates and patterns for the use in fabrication and be familiar with the facets of the ironworking trade.

**III. TOPICS TO BE COVERED:**

Approximate Time Frames  
(Optional)

- . course introduction and orientation
- . review of the intermediate course
- . new topics of development

Note: at the end of each topic there will be a test. There will be ample warning prior to a test. A review of Basic, Intermediate and Advanced will take place towards the end of the course. A thirteen page exam will be taken at the end of the course which will be based on all three intakes - out of thirteen pages, you will be required to complete ten.

**COURSE NAME:**

**CODE NO.:**

**IV. LEARNING ACTIVITIES**

**REQUIRED RESOURCFS**

**COURSE NAME: TRADE THEORY**

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**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**

<b>Theory Tests</b>	<b>60%</b>
<b>Assignments</b>	<b>10%</b>
<b>Final Exam</b>	<b>30%</b>

**VI. REQUIRED STUDENT RESOURCES**

**Ironworking Manuals**

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

**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.**

**Attendance is mandatory. All absenteeism will be recorded as required by the Ministry of Education and Training, Skills Development Department.**