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**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ON**

**COURSE OUTLINE**

COURSE TITLE: TRADE PRACTICAL

CODE NO: IRN801

SEMESTER: APPRENTICESHIP

PROGRAM: IRONWORKER - ADVANCED

AUTHOR: P. MARTINSEN

DATE: AUGUST 1993

PREVIOUS OUTLINE DATED: NEW

APPROVED: .

Dean, School of Technical Trades

Date

COURSE NAME: TRADE PRACTICAL

CODE NO. IRN801

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 apprentices with hands-on knowledge in the operation and procedures using level's and transits, layout and fabrication of stairs, handrail and pattern, template development and safe working habits, as well as safe operation of fabrication equipment.

**II. STUDENT PERFORMANCE OBJECTIVES:**

Upon successful completion of this course the student will be able to:

- . to set up and transfer elevations using a level
- . layout and fabricate stairs and handrail
- . layout and fabricate templates and patterns.

**III. TOPICS TO BE COVERED:**

Approximate Time Frames  
(Optional)

- . shop safety
- . practical use of transits & levels
- . layout and fabrication of stairs and handrail
- . layout and fabrication of templates and patterns

**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

- Three Practical Assignments 60%
- Projects 40%

**VI. REQUIRED STUDENT RESOURCES**

- . Safety boots
- . Safety glasses
- . hard hat
- . work belt
- . welding gloves
- . tape
- . coveralls

**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.

NOTE: If the apprentice does not meet the required safety procedures, the individual shall be required to leave the shop and will be marked absent for those periods.