

807-5

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ON**

**COURSE OUTLINE**

COURSE TITLE: BLUEPRINT READING - BASIC

CODE NO.: STM 024 SEMESTER: 2 (8 Weeks)

PROGRAM: STEAM PRE-APPRENTICESHIP PROGRAM

AUTHOR: BRIAN MICK

DATE: OCT/95 PREVIOUS OUTLINE DATED: NEW

APPROVED:

  
\_\_\_\_\_  
DEAN

DATE

TOTAL CREDITS 2

PREREQUISITE(S): STM 013

**1. PHILOSOPHY/GOALS:**

To give the student the knowledge of blueprint reading required for a basic steamfitting apprentice based on ministry guidelines.

**II. STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):**

Upon successful completion of this course the student will:

- 1) Know basic drafting techniques
- 2) Know scales
- 3) Have a good understand of piping symbols, orthographic and isometric drawing.

**III. TOPICS TO BE COVERED:**

**Approximate Time  
Frames (Optional)**

- 1) identification and use of drafting equipment
- 2) line work consistent with construction drawings
- 3) piping symbols used on piping drawings
- 4) orthographic drawings of rectangular objects and piping arrangements
- 5) isometric drawings of rectangular objects and piping arrangements

**IV. LEARNING ACTIVITIES/REQUIRED RESOURCES**

Topic/Unit - ^\_\_\_\_\_

Learning Activities:

Resources:

Topic/Unit -

Learning Activities:

Resources:

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

**VI. 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:

**VII. REQUIRED STUDENT RESOURCES**

Other modules and handouts supplied by college

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

**IX. SPECIAL NOTES**

Students with special needs (eg. physical limitations, 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 students.