

807-3

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: TRADE CALCULATION - BASIC

CODE IMO: STM 022 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 012

I. PHILOSOPHY/GOALS:

To ensure the student has the knowledge of trade calculations required for a basic steamfitting apprentice based on ministry guidelines.

II. STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):

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

- 1) solve problems requiring the use of basic arithmetic
- 2) solve problems involving imperial/U.S./S.I. units
- 3) solve problems involving calculations of areas and volumes

III. TOPICS TO BE COVERED:

**Approximate Time
Frames (Optional)**

- 1) adding, subtracting, multiplying and dividing of fractions and whole numbers
- 2) conversion of temperature scales, linear, aerial and volumetric measure
- 3) area calculations involving circles, rectangles, squares, triangles
- 4) volume calculations of tanks and cylinders

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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.