

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: KATHEMATICS

Code No.: — KATH 631-2

program: PLUMBER S STEAMFITTER (BASIC)

Serr.ester:

Date: DECEMBER, 1983

Author: W. i4AKI

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PLUMBER & STEAMFITTER (BASIC)  
MTH 631-2  
MATHEMATICS

CALENDAR DESCRIPTION

MATHEMATICS \_\_\_\_\_ MTH 631-2^  
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PHILOSOPHY/GOALS:

The basic mathematics course for plumbing and steamfitting apprentices is designed as a review of arithmetic operations common in the working world. Also an introduction to practical geometry and triangle trigonometry will serve as a basis for work on offsets.

ASSESSMENT (GRADING METHOD):

Periodic tests or drills as time permits. A final comprehensive test is open.

TEXTBOOK(S):

Garman and Saunders, Mathematics For The Trades, d. Wiley & Sons Ltd,

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OBJECTIVES:

The basic objective is for the student to develop an understanding of the inethods studied, knowledge of the facts presented and an ability to use these in the solution of problems. For this purpose exercises *d^re* assigned. Tests will reflect the sort of work contained in other assignments. The level of corapetency demanded is tSie level required to obtain an overall passing averaca on the tests. The i.wcerial to be covered is listed below.

(BASIC)

^^^A^	PERIODS	TOPIC PESCrm10_N	REFERENCE
1	3	Measurment FetrTc' unfls, length rneasurementj meters	Chapter 5 (p. 136 - 223)
		Basic Algebra_ "RatTo^an'd^p proportionJ work problems	Chapter 6 (p. 269 - 293)
		pract1cal__GeGir Gtry Deiri'TftTonsV peTTneter S area of figures	Chapter 7 (p. 305 - 354)
		Triangle_^Trigonoioetry DeTi7iTil^orisr"p]rtyfa theorem, trig, ratios	Chapter 9 (p. 457 - 474)