

SAULT COLLEGE OF APPLIED ARTS S TECHNOLOGY

SAULT STE. HARIE, ONTARIO

COURSE OUTLINE

Course Title: ^ MATHEMATICS

Code No.: __ JITH^ 83^U2

Program: _____ PLUi^mER_&__^STEAMFJTra

Semester:

Date: DECEMBER, 1983

Author: W. KAKI

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APPROVED

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Date

PLUMBER & STEAMFITTER (ADVANCED)
HTH 831-2
MATHEMATICS

CALENDAR DESCRIPTION

Course Title ~ "

MT 831-2
Course Identifier

PHILOSOPHY/GOALS

The advanced math course for plumbing and steamfitting apprentices is designed to review basic arithmetic operations from intermediate and beginning courses and to study in more detail topics in solid and practical geometry and some topics in triangle trigonometry.

METHOD OF ASSESSMENT (GRADING METHOD):

Periodic tests or drills as time permits. A final comprehensive exam is optional.

LXT300K(_S)_ ^

Ganian and Saunders, Mathematics For The Trades, J. Wiley & Sons Ltd.

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OBJECTIVES:

The basic objective is for the student to develop an understanding of the methods studied, knowledge of the facts presented and an ability to use these in the solution of problems. For this purpose exercises are assigned. Tests will reflect the sort of work contained in other assignments. The level of competency demanded is the level required to obtain an overall passing average on the tests. The material to be covered is listed below.

NUMBER	PERIODS	TOPICS	REFERENCES
1	6	Review practical geometry, start solid geometry - volume and area of prisms, cylinders and cones.	Ch. 7 (p. 354 - 377)
		Trigonometry: right triangle problems, ratios.	Ch. 9 {p. 473 - 489
		Graphs: reading and construction of basic line and bar graphs.	Ch. 8 (p. 417 - 440)