

CALENDAR DESCRIPTION

MATHEMATICS

MTH 151-3

COURSE NAME

COURSE NUMBER

PHILQSOPHy/GOALS;

In this course emphasis will be placed on teaching mathematics at a level that will facilitate computation in the machine shop trade. Some theoretical concepts and topics in algebra and geometry will be covered, but quickly reinforced with practical problems to make it more relevant to the students' needs. Wherever possible, problems will relate to strengthen concepts taught by their subject instructor.

METHQD OF ASSESSMENT;

Periodic tests and daily assignments based on material in the course outline will be given during the semester. A final exam and a make-up test will be at the discretion of the instructor.

The final mark will be based on four unit tests, each representing 25% of the final mark.

Grading:	A+	=	90-100%
	A	=	80-89%
	B	=	65-79%
	C	=	55-64%
	I	=	45-54%
	R	=	0-44%

A passing grade will be based on a minimum grading of 55%

TEXTBOOK:

Hoffman, Edward, G», Practical Problems in Mathematics for Machinists

Topic No.	No, of Periods	Topic Description	Assignments	Ref,
1	7	Arithmetic		p.1-48
		Whole numbers Common fractions Decimal fractions	Units 1-14	
2	12	Measurements		p.49-94
		Direct measure Computed measure Introduction to trigonometry	Units 15-27	
3	5	Business Math		p.95-116
		Percentage and finance Graphs	Units 28-32	
4	9	Applications		p.114-155
		Shop formulas Ratio and proportion Powers and roots	Units 33-42	
5	9	Trigonometry and Geometry		p.156-203
		Geometric forms and constructions Trigonometry applications	Units 43-52	