MTH 104 Syllabus

Divis	ion: Arts and Sciences / Business	& EIT	Revised: 2013	
Curr	icula in Which Course is Taught:	Machine Technology, Indus	strial Maintenance	
Cour	se Number and Title: MTH 104, App	olied Technical Mathematics	II	
CRE	DIT HOURS: 3 HOURS/WK. LEC:	3 HOURS/WK. LAB: 0 L	EC/LAB COMB: 3	
==== I.	Catalog Description: Presen geometry, and trigonometry. Directs Completion of MTH 103 or equivale		eas. Prerequisites:	
II.	Relationship of the course to curricula objectives in which it is taught:			
	Math 104 equips the students with the problems in the industrial trade areas problems and employment experience.	s. Practical applications are o	•	
III.	Required background:			
	Completion of MTH 103 or equivalent.			
IV.	Course Content:			
	 Practical Algebra Rectangles and Triangles Regular Polygons and Circles Right Triangles Trigonometric Functions Work and Power 			
V.	THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS COURSE :			
	X Communications	X Computational and	Computer Skills	
	X Learning Skills	Understanding Cu	ılture and Society	
	X Critical Thinking	XUnderstanding Sc	cience and Technology	
	XInterpersonal Skills and Human Relations	Wellness		

VI. LEARNER OUTCOMES

VII. EVALUATION METHOD

Understand the definitions, properties, and basic operations of algebra.	Daily assignments and written tests
 Understand basic concepts of geometry: Perimeters and areas of polygons and circles Volumes of solids Angles 	Daily assignments and written tests
Understand the definitions, properties, and basic operations of trigonometry.	Daily assignments and written tests
Find the values of trigonometric functions; Find the angles when given trigonometric functions.	Daily assignments and written tests
Understand the basic concepts of work and power.	Daily assignments and written tests

VIII. Over 90% of students will successfully complete this class.