



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Foundations for Industrial Math
Course Number: MTH007

Required Materials

Textbook(s): Washington/Evans - Basic Technical Mathematics, 12/e
 ISBN (Instant Access): 9780137529834

Required Readings: None

Additional Materials: Scientific Calculator

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

16 Week Calendar

Week	Chapter/Topic/Lab
1	Chapter 1: Operations on Real Numbers 1.1: Real Numbers
2	Chapter 1: Operations on Real Numbers 1.2: Fundamental Arithmetical Operations
3	Chapter 1: Operations on Real Numbers 1.3: Calculators and Estimating Numbers
4	Chapter 1: Operations on Real Numbers 1.4: Exponents 1.5: Scientific Notation 1.6: Roots and Radicals Ch. 1 Quiz Ch. 1 Test
5	Chapter 2: Basic Algebraic Operations 2.1: Addition and Subtraction of Algebraic Expressions 2.2: Multiplication of Algebraic Expressions

	2.3: Division of Algebraic Expressions
6	Chapter 2: Basic Algebraic Operations 2.4: Solving Equations 2.5: Ratio and Proportion
7	Chapter 2: Basic Algebraic Operations Ch. 2 Quiz
8	Chapter 2: Basic Algebraic Operations Ch. 2 Test
9	Chapter 3: Tools of Geometry 3.1: Lines & Angles 3.2: Triangles 3.3: Quadrilaterals 3.4: Circles
10	Chapter 3: Tools of Geometry Ch. 3 Quiz Ch. 3 Test Chapter 4:
11	Chapter 4: Basics of Vectors 4.1: Cartesian Coordinates
12	Chapter 4: Basics of Vectors 4.2: Introduction to Vectors
13	Chapter 4: Basics of Vectors 4.3: Sketching Vectors
14	Chapter 4: Basics of Vectors 4.4: Operations on Vectors
15	Chapter 4: Basics of Vectors Ch. 4 Quiz
16	Chapter 4: Basics of Vectors Ch. 4 Test

8 Week Calendar

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