



# Wayne County Community College District

## COURSE SYLLABUS

### EE 107 Math for E/E I

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:**

Provides detailed coverage of areas of introductory algebra needed by the technician to solve Electrical/Electronics circuits. The course includes fundamentals of algebra, ratio, proportion, variation, basic geometry and trigonometry, linear systems, determinants and matrices, factoring and quadratic equations, exponents and radicals, exponential, and logarithmic function. Emphasis is placed on practical application to the solution of DC circuits.

**PREREQUISITES:** NONE      **Co-requisites:** EE 101

**EXPECTED COMPETENCIES:**

Upon completion of this course, the student will be familiar with:

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9% = B  
70%-79.9% = C  
60%-69.9% = D  
<60% = E