



# Wayne County Community College District

## COURSE SYLLABUS

### MAT 113 Intermediate Algebra

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:**

The emphasis of this course is on extending introductory concepts. New concepts presented are absolute value equations and inequalities, rational exponents, complex numbers, quadratic equations and inequalities, the slope of a line, conic sections, functions and logarithms.

**PREREQUISITES:** MAT 112

**EXPECTED COMPETENCIES:**

*Upon successful completion of this course, the student will:*

- Will extend their mathematics vocabulary which will be used for both oral and written communication.
- Will also become a proficient problem solver utilizing critical thinking/problem solving skills, technology, along with group and cooperative learning activities.

**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