



Wayne County Community College District

COURSE SYLLABUS

MAT 105 Pre Algebra

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course is an introduction to variables in building mathematical and problem solving skills. Strong emphasis will be placed on operations with signed numbers.

PREREQUISITES: NONE

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. An integrated review of basic mathematics using pre-algebra concepts and ideas.
2. Develop a mathematics vocabulary
3. Effectively communicate mathematical concepts and ideas both orally and in writing
4. Become an effective problem solver utilizing both critical thinking and problem solving skills
5. Able to effectively integrate technology into course work to enhance learning opportunities
6. Develop and enhance ability to work effectively in a collaborative setting
7. Establish ownership of the learning, successfully applying it in real life situations
8. Able to demonstrate and present multiple problem solving situations as required
9. Able to teach mathematical topic(s) using appropriate mathematical language
10. Develop and maintain a positive attitude toward the study of mathematics
11. Take the initiative to embrace, and take advantage of each learning opportunity
12. Develop confidence, as a learner, in one's own mathematical ability
13. Experience field activities and outside projects designed to promote academic enrichment

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