



Wayne County Community College District

COURSE SYLLABUS

MAT 171 Analytic Geometry & Calculus I

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:

In this course the functions and their graphs are reviewed. The concepts presented include limits, derivatives, differentiation of algebraic and trigonometric functions, applications of the derivative, definite and indefinite integrals

PREREQUISITES: *MAT 156 or by placement*

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. Functions and their graphs
2. Limits
3. Continuity
4. Derivatives
5. Integrals
6. Applications of differentiation
7. Applications of integration

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