



# Wayne County Community College District

## COURSE SYLLABUS

### MAT 271 Analytic Geometry and Calculus III

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 60.00

**COURSE DESCRIPTION:**

In this course the concepts presented include plane curves, polar coordinates, vectors, surfaces, vector-valued functions, partial differentiation and multiple integration with applications. The study of vector calculus includes line and surface integrals with applications.

**PREREQUISITES:**

MAT 172

**EXPECTED COMPETENCIES:**

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

1. Be able to solve equations and graphing

**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