



Wayne County Community College District

COURSE SYLLABUS

PHY 275 Physics for Scientists and Engineers II

CREDIT HOURS: 4.00

CONTACT HOURS: 90.00

COURSE DESCRIPTION:

This course is a continuation of PHY 265. Topics include electricity, magnetism, physical and geometrical optics and elementary quantum mechanics. (Meets for six hours - four hours lecture, two hours lab).

PREREQUISITES:

PHY 265 and MAT 172

EXPECTED COMPETENCIES:

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

1. Physics 275 is a calculus based physics course designed to fulfill the second part of the physics requirement in science and engineering. This course covers electro-magnetism, light, and some modern physics. The course is based on five hours of lecture and two hours of laboratory work each week.

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