



# Wayne County Community College District

## COURSE SYLLABUS

### PHY 115 Fundamentals of Physics

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**CREDIT HOURS:** 4.00

**CONTACT HOURS:** 90.00

**COURSE DESCRIPTION:**

This course covers fundamental principles, theories and problems of physics, and should be taken by students who have not had a course in high school physics, those with an inadequate background for PHY 235 and by those students whose curriculum requires four credit hours of physics. (Meets for six hours - four hours lecture, two hours lab)

**PREREQUISITES:** *NONE*

**EXPECTED COMPETENCIES:**

Upon completion of the course, the student will:

1. Explain the practical application of physics laws
2. Explain how to use physics laws to predict outcomes
3. Demonstrate how to use physics equipment
4. Demonstrate how to work effectively in teams
5. Demonstrate how to write a formal lab report

**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