### Course Number

**Course Name**  
Engineering Physics II

| Credit Value  
(Breakdown of theory and lab credits) | 3 Theory |
|--------------------------------------|----------|

### Catalog Course Description

The purpose of this course is to provide an understanding of physics principles and develop problem-solving skills. We will cover chapters 13 - 35 of the textbook, learning the important concepts such as: Fluid Mechanics, Waves and Oscillations, Thermodynamics, Electricity, and Magnetism. Much of the class period will be spent learning how to solve Physics problems, and class participation is expected.

### Student Learning Outcomes/Objectives/Competencies of the Course

1. Student will understand physical theoretical concepts of Mechanical/Classical Physics;
2. Student will improve problem-solving skills by working homework problems and actively participating in group or classroom discussions;
3. Student will gain hands-on laboratory experience.

### College-Wide Student Learning Outcomes

Engineering Physics II learning objectives align with the following NNMC College Wide Goal:

**Critical Thinking**

Student’s progress to meet this goal is assessed using their theoretical and practical application of the concepts learned.