



## SYLLABUS

<b>Course Number</b> <b>Course Name</b>	Engineering Physics I
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	The purpose of this course is to provide an understanding of physics principles and develop problem-solving skills. We will cover the first 12 chapters of the textbook, learning the important concepts of “Mechanical Physics” such as: Kinematics, Newton’s Laws, Work and Energy, Momentum, and Equilibrium. Much of the class period will be spent learning how to solve Physics problems, and class participation is expected.
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ol style="list-style-type: none"> <li>1. Student will understand physical theoretical concepts of Mechanical Physics;</li> <li>2. Student will improve problem-solving skills by working homework problems and actively participating in group or classroom discussions;</li> <li>3. Student will gain hands-on laboratory experience.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<p>Engineering Physics I learning objectives align with the following NNMC College Wide Goal:</p> <p><b>Critical Thinking</b></p> <p>Student’s progress to meet this goal is assessed using their theoretical and practical application of the concepts learned.</p>