



## ENGR 217L Physics for Engineers III

<b>Course Number Course Name</b>	ENGR 217L Physics for Engineers III
<b>Credit Value (Breakdown of theory and lab credits)</b>	(3, 2T+1L)
<b>Catalog Course Description</b>	Students will learn basic concepts of thermodynamics, dynamics, vibrations, and fluid mechanics. Ideal gas laws, work, heat and 1st law of thermodynamics will be introduced. Students will be introduced to dynamics problems in one/two dimensions, linear impulse and momentum, rotational motion of rigid bodies and simple harmonic motion. Finally students will learn fundamental concepts of fluid mechanics. Prerequisite: ENGR 122L
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	N/A
<b>College-Wide Student Learning Outcomes</b>	<p>Physics for Engineers III learning objectives align with the following NNMC College Wide Goal:</p> <ol style="list-style-type: none"> <li>1. Communication</li> <li>2. Critical Thinking</li> </ol> <p>Student's progress to meet this goal is assessed using their theoretical and practical application of the concepts learned.</p>