

NORTHERN NEW MEXICO COLLEGE



Course Number Course Name	PHYS 1310L, Calculus-based Physics I Laboratory
Credit Value (Breakdown of theory and lab credits)	1 Lab
Catalog Course Description	A series of laboratory experiments associated with the material presented in Calculus-based Physics I. Students will apply the principles and concepts highlighting the main objectives covered in coursework for Calculus-based Physics I. Corequisite 1310 (1, 0T+ 1L).
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Student Learning Outcomes: Upon completion of this course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Develop a reasonable hypothesis. 2. Work effectively as part of a team. 3. Take measurements and record measured quantities to the appropriate precision. 4. Estimate error sources in experimental techniques. 5. Apply appropriate methods of analysis to raw data, including using graphical and statistical methods via computer-based tools. 6. Determine whether results and conclusions are reasonable. 7. Present experimental results in written form in appropriate style and depth. 8. Experience the relationship between theory and experiment.
College-Wide Student Learning Outcomes	<p>PHYS 1310L learning objectives align with the following NNMC College Wide Goal:</p> <p><i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i></p>