

NORTHERN NEW MEXICO COLLEGE



Course Number Course Name	PHYS 2992 UNDERGRADUATE RESEARCH EXPERIENCE IN PHYSICS
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	A math-based experience in physics research, combining computational and experimental techniques through which you will learn computational modeling, experimental design, library and Internet information searches and research methodology while interacting with peers and faculty. You will prepare a technical report or poster on your activities. Research questions focus on nonlinear dynamics, chemical physics, and particle physics. (may be repeated for credit). Prerequisite: Grade average of at least 3.50 in MATH 1215 and MATH 1220, or permission of instructor. (3, 3T+0L)
Student Learning Outcomes/Objectives /Competencies of the Course	Student Learning Outcomes: At the end of this course the student will understand a research topic in physics in depth using computational and experimental techniques.
College-Wide Student Learning Outcomes	PHYS 2992 learning objectives align with the following NNMC College Wide Goal: <i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i>