

# NORTHERN NEW MEXICO COLLEGE



<b>Course Number Course Name</b>	MATH 1991, Undergraduate Research Experience in Mathematics
<b>Credit Value (Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	This is a computer-based experience in mathematical research. 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, differential equations, and mathematical physics. Prerequisite: MATH 1510. (May be repeated for credit) (3, 3T+0L)
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<b>Student Learning Outcomes:</b> At the end of this course the student will understand a mathematical research topic in depth using analytical and/or computational techniques.
<b>College-Wide Student Learning Outcomes</b>	MATH 1991 learning objectives align with the following NNMCC College Wide Goal:  <i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i>