

# NORTHERN NEW MEXICO COLLEGE



<b>Course Number</b> <b>Course Name</b>	ENVS 3317 Rangeland Management
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	You will study both the broad concepts of planning and the variety of planning approaches that are frequently used in rangeland planning on public and private land. You will also take an in-depth look at the management of grazing resources, including ecology, economics, burning, brush and weed control, grazing systems, and complementary grazing crops. You will address related topics, such as job satisfaction and leadership, communications, professionalism, ethics, and problem-solving.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	<ol style="list-style-type: none"> <li>1. Identify and describe major rangeland types and their unique importance to society.</li> <li>2. Explain basic factors that drive rangeland ecosystems such as fire, herbivory and climate.</li> <li>3. Describe how management actions can manipulate ecosystem drivers and influence ecosystem function and structure, and be able to predict the potential management outcomes.</li> <li>4. Understand how management can affect ecosystem services provided by rangelands.</li> <li>5. Generate science-based answers to complex rangeland management issues and effectively communicate those answers.</li> </ol>
<b>College-Wide Student Learning Outcomes measured (General education courses only)</b>	
<b>Program Student Learning Outcomes measured</b>	<ol style="list-style-type: none"> <li>1. Apply systems theory, concepts, and methodologies to critically analyze and understand interactions on an ecological level.</li> </ol>