



<b>Course Number</b> <b>Course Name</b>	ENVS 3340 Principles of Crop Production
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	You will focus on the ecological principles underlying crop production systems, evaluating cropping systems, tillage methods, planting and harvesting methods, and crop growth patterns. You will examine crop production in the context of management approaches, environmental resources and constraints, and socioeconomic considerations.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	<ol style="list-style-type: none"> <li>1. List and accurately describe the ecological factors determining crop production. These factors include; the soil environment, climate, weather, and biota</li> <li>2. Identify and accurately describe the methods available to producers to manipulate the ecological factors of crop production and their effects.</li> <li>3. List the traditional crop plants for Northern New Mexico and their production practices including; Chile, Corn, Squash, Peas, Alfalfa, Apples, etc.</li> <li>4. List the nontraditional crop plants for Northern New Mexico and their production practices including vegetables for niche farmers markets.</li> <li>5. List and define the differences between traditional and organic crop production practices.</li> <li>6. List and define common agronomic terms in crop production.</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>