



Course Number Course Name	ES 340 PRINCIPLES OF CROP PRODUCTION
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	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. Prerequisites: ES 225. (3, 3T+0L)
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. List and accurately describe the ecological factors determining crop production. These factors include; the soil environment, climate, weather, and biota 2. Identify and accurately describe the methods available to producers to manipulate the ecological factors of crop production and their effects. 3. List the traditional crop plants for Northern New Mexico and their production practices including; Chile, Corn, Squash, Peas, Alfalfa, Apples, etc. 4. List the nontraditional crop plants for Northern New Mexico and their production practices including vegetables for niche farmers markets. 5. List and define the differences between traditional and organic crop production practices. 6. List and define common agronomic terms in crop production.
College-Wide Student Learning Outcomes	<ol style="list-style-type: none"> 1. <i>Communication</i> <i>Communication will be assessed by presentations related to farm plans within the areas of crop production.</i>