



Course Number Course Name	BIOL 4406 Stream Ecology and Field Methods
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will use the scientific method to understand and explain concepts in stream ecology, hydrology, and biology. You will obtain experience in general field methods for stream characterization and sampling in streams of northern New Mexico.
Course Student Learning Outcomes/Objectives /Competencies	<ol style="list-style-type: none"> 1. Demonstrate knowledge of hydrology and stream ecology 2. Design and implement a sampling plan Identify aquatic organisms <ol style="list-style-type: none"> 3. Demonstrate proper use of stream sampling equipment 4. Analyze and interpret data 5. Write a professional report 6. Comprehend, interpret, analyze and evaluate college level materials.
College-Wide Student Learning Outcomes measured (General education courses only)	
Program Student Learning Outcomes measured	<ol style="list-style-type: none"> 1. Provide students with technical and analytical skills used in modern biological research. This will allow the students to demonstrate proper and safe laboratory practice, proper use of equipment and the ability to work effectively with computational, mathematical and statistical approaches.