



<b>Course Number</b>	<b>ES 112 L Introduction to Environmental Science Lab</b>
<b>Course Name</b>	
<b>Credit Value (Breakdown of theory and lab credits)</b>	1 Laboratory
<b>Catalog Course Description</b>	In this field-work companion to ES 112, you will work as part of a team, concentrating on a detailed investigation and analysis of a specific environmental problem or case.
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ol style="list-style-type: none"> <li>1. Students will develop a general understanding of the basic assumptions, effectiveness, and limitations of theories and strategies used in various fields of environmental science.</li> <li>2. Students will develop basic analytical problem-solving and critical thinking skills and will gain experience in data interpretation and graphical and mathematical models.</li> <li>3. Students will develop a general appreciation for the challenges and opportunities inherent in environmental science.</li> <li>4. Students should be able to discuss theory and applications of environmental science topics including: biotic and abiotic factors, population and communities, energy cycles, renewable energy and sustainability, environmental monitoring, climate</li> <li>5. Students will improve communication skills, computer skills, teamwork skills, critical thinking/problem solving skills, and statistical skills.</li> <li>6. Provide each student with a knowledge base which will promote opportunities for pursuing employment opportunities in the environmental science field</li> <li>7. Conduct scientific literature searches for reports and discussions</li> <li>8. Provide an opportunity for students to discuss current management issues, including diverse cultural issues involved in decision making in environmental science.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<i>This lab will be assessed in conjunction with the associated lecture/theory course which is a co-requisite.</i>