



Course Number Course Name	ES 336L ENVIRONMENTAL SAMPLING AND INSTRUMENTATION LAB
Credit Value (Breakdown of theory and lab credits)	1 Theory
Catalog Course Description	In a hands-on setting students will participate in the fundamentals of environmental sampling and instrumentation to include data collection and evaluation.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Understand the methods of assessment of environmental hazards, whether those environments are outdoors, indoors, at work, or at home. 2. Knowledge Standard sampling and analytical techniques have been developed to assess contaminant levels for a variety of media, including water, air, and living systems. 3. Explore new analytical methods and compare to existing methods in quantifying contaminant levels. 4. Introduction to multi-media sampling techniques and analytical methods for evaluation outdoor/indoor air, soil/surfaces, and water.
College-Wide Student Learning Outcomes	<i>This lab will be assessed in conjunction with the associated lecture/theory course which is a co-requisite.</i>