



Course Number Course Name	ES 412 ENVIRONMENTAL HEALTH AND TOXICOLOGY
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will study the relationship between human health and environmental toxicants from an interdisciplinary perspective. You will become familiar with a broad range of concepts, including the nature of hazards, epidemiological study design, exposure assessment, toxicology microbiology, risk assessment, risk perception, and risk management. You will learn to draw the links among human health and sustainability, urbanization, energy production, and relevant ethical issues.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Literacy in toxicological, environmental, public health, occupational and ecological aspects of the use and release of toxic substances in the environment 2. Knowledge of case histories of environmental contamination that illustrate ecological, health, and social aspects of pollution 3. Understand relationships between environment and human health. 4. Understanding of different classes of toxic material, toxicity levels, and how they interfere with normal human bodily functions.
College-Wide Student Learning Outcomes	<ol style="list-style-type: none"> 1. <i>Critical Thought</i> <i>Critical Thought will be assessed by testing of concepts related to Environmental Health and Toxicology.</i>