WSI 150 - INTRODUCTION TO SITE ASSESSMENT AND REMEDIATION

Course Description

This course provides an introduction to the principles and techniques used for site assessment, remediation strategies, and monitoring techniques of contaminated groundwater and soils. Areas of emphasis include an overview of Phase I/II environmental site assessments (ESA), Environmental Impact Statements (EIS), Site Health and Safety Plans (HASP), and the practice of Standard Operating Procedures (SOP's) commonly used in various industries. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

WSI 106, placement into ENG 111

Recommended Prerequisites or Skills Competencies

GEO 115

General Education Outcomes supported by this course

Communications - Direct

Course Learning Outcomes

Knowledge:

- Identify and define the required components of completing a Phase I environmental site assessment.

Application:

- Demonstrate the process of completing a Phase I site assessment without error.

Integration:

- Explain the impacts of various contaminants on soil, surface water, and groundwater.

Human Dimension:

- Interact directly with teams in a field environment.

Caring - Civic Learning:

- Describe the human health effects of various contaminants.

Learning How to Learn:

- Practice preparing various reports used by environmental field technicians.