

Course Syllabus

Department : Occupational Safety & Health Technology
Course Title : Environmental Sampling and Analysis
Section Name : 1 WB
Start Date : 08//22/2011
End Date : 10/14/2011
Modality : Online
Credits : 3

Instructor Information

Name : Lynn Reese
OC Email : lreese@odessa.edu
OC Phone : (432) 335-6883

Course Description

Course Catalog Description:

Sampling protocol, procedures, quality control, preservation technology and field analysis. Emphasis on analysis commonly performed by the field technician. Competencies include performing and interpreting basic theories, functions, application and analysis of those instruments used in air, water and soil monitoring. The student will be able to prepare a report on the impurities and pollutants in the environment.

Course Objectives:

Understand how to operate survey instruments which detect organic and inorganic vapors and gases, oxygen deficiency and excess, and combustible gases. Topics include theory of operation, uses, what the readings mean, limitations, calibration and trouble shooting.

Prerequisites/Corequisites

None.

Scans

4,5,6,7,8,9,10,11

Required Readings/Materials:

EPCT 1344: Required: **SITE CHARACTERIZATION** *Sampling and Analysis* Publisher John Wiley & Sons, Inc. ISBN: 0-471-29270-2. Textbook may be purchased through the Odessa College Bookstore by contacting ocbookstore@textbook.com or at www.amazon.com.

Course Requirements (Lectures, Assignments and Assessments)

Module Information:

Module 1-Site Investigation: Due Date TBA

SITE- CHARACTERIZATION-Sampling and Analysis: Chapter 1

SITE- CHARACTERIZATION-Sampling and Analysis: Chapter 2

SITE- CHARACTERIZATION-Sampling and Analysis: Chapter 3

Module 2-Sampling Soils and Sediments: Due Date TBA

SITE CHARACTERIZATION-Sampling and Analysis: Chapter 4

SITE CHARACTERIZATION-Sampling and Analysis: Chapter 5

Module 3 -Sampling Water: Due Date TBA

SITE CHARACTERIZATION-Sampling and Analysis: Chapter 6

Module 4 -Sampling Drums and Containers : Due Date TBA

SITE CHARACTERIZATION-Sampling and Analysis: Chapter 7 –Watch the power point program covering the OSHA hazwoper Standard 29 CFR 1910.120 Summarize the nine programs.

Grading Policy

You will be evaluated by the thoroughness of the contents of the assignment.

Special Needs

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (Library)

The Library, known as the Learning Resources Center, provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#) " service provide additional help.

Student E-mail

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).