

Course Number and Title: ENGRCEE X496, Multi-media Environmental Compliance

Lesson Number: NA

Lesson Title: Orientation Week

Overview

Course Overview: This course is called Multi-media Environmental Compliance. It is a 1.5 unit elective course offered by the UCI Extension Program as part of their Environmental Management Certificate Program.

Businesses today expect their environmental professionals to understand the drivers for multi-media environmental compliance, comply with applicable laws and regulations, avoid fines and notices of violations, and manage their program using generally accepted methods and procedures. This course introduces students to: an overview of major regulatory programs for air, water and hazardous water; regulatory applicability determinations; creation of a compliance calendar; typical compliance tasks such as: reporting, permitting, and payment of fees; record retention and organization; agency discussions, negotiations, and documentation; environmental management systems (EMS), audits and inspections; and dealing with personnel transitions and continuing education. At the end of the course, the student will be able to understand, organize and implement a multi-media compliance program.

The lessons in this course are structured as follows:

Lesson Number	Lesson Title	Learning Objectives
Orientation	Orientation Week and Introductions	Understand the course objectives and syllabus; introduce yourself to the other students; and identify your personal goals for taking this class.
1	Overview of Environmental Laws and Regulations	Identify, know where to find and how to interpret major environmental laws for air, water and hazardous waste
2	The Importance of Regulatory Compliance	Identify the drivers for regulatory compliance and the most common violations and fines.
3	Completing an Applicability Determination and Creating a Compliance Calendar	Describe the different types of applicability determinations; create and use a compliance calendar
4	Environmental Records, Recordkeeping and Interactions with Agency Personnel	Describe the importance and organization of environmental records and recordkeeping; know how to interact with agency personnel
5	Benefits of EMS, Audits and Training; Continuing Education and Employee Turnover	Understand the benefits of using EMS and audits; develop strategies and plans for continuing education and employee turnover.

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The first week of class is an Orientation Week to help you to become familiar with the process, syllabus and technical requirements. Please familiarize yourself with the tools available on the UCI Distance Learning Center. Additional help files are found at <http://learn.uci.edu/cms>.

Lesson Outcome Objectives

By the end of this lesson, you should be able to:

- *Understand the course objectives after reading the syllabus.*
- *Obtain the reading materials.*
- *Create an online profile and introduce yourself to the other students in the class*
- *Identify your personal goals for taking this course.*

Readings / Special Terminology

Laws that We Administer (EPA) <http://www.epa.gov/lawsregs/laws/index.html>

Top 10 Facility Inspection Violations (Power Point Presentation from Orange County CUPA)

US EPA. (2010) Concluded EPA Enforcement Cases Map for FY 2010. Link: <http://www.epa.gov/compliance/resources/reports/endofyear/eoy2010/map.html>

Susan K. Briggs. (2006). *Do EMS Improve Performance?* Quality Progress. American Society for Quality. Link: <http://asq.org/quality-progress/2006/09/standards-outlook/do-environmental-management-systems-improve-performance.html>

Additional online resources if desired:

California Air Resources Board (CARB) <http://www.arb.ca.gov/html/programs.htm>

Department of Toxic Substances Control (DTSC)
http://www.dtsc.ca.gov/PublicationsForms/pubs_fs_by_keyword.cfm

State Water Resources Control Board
http://www.waterboards.ca.gov/water_issues/programs/

South Coast Air Quality Management District <http://www.aqmd.gov/rules/index.html>