

**CUYAMACA COLLEGE**  
**COURSE OUTLINE OF RECORD**

**ENVIRONMENTAL HEALTH AND SAFETY MANAGEMENT 250 – EHS FIELD APPLICATIONS**

1 hour lecture, 6 hours laboratory, 3 units

**Catalog Description**

Field experiences will enhance student abilities to perform various Environmental Health and Safety Management (EHSM) applications under the direction of a qualified EHS professional. Applied experience will provide students with important workplace critical thinking, written and verbal communication, and technical skills difficult to learn in the classroom environment.

**Prerequisite**

“C” grade or higher or “Pass” in EHSM 100 or equivalent

**Recommended Preparation**

Occupational Safety and Health Management degree/certificate students should complete EHSM 130, 135, 200, 201, 205 and 230.

Environmental Management degree/certificate students should complete EHSM 150, 200, 210, 215 and 230.

**Entrance Skills**

Without the following skills, competencies and/or knowledge, students entering this course will be highly unlikely to succeed:

- 1) Interpret laws and regulations pertaining to environmental, health and safety management and related programs.
- 2) Distinguish between EHSM agencies that regulate environmental management and OSH programs.
- 3) Recognize and apply appropriate terms common to the environmental health and safety industry.
- 4) Understand best management practices (BMP) and safe operation procedures (SOP) used in the EHSM industry.
- 5) Demonstrate the proper use, preparation and calibration of industry used instrumentation.

**Course Content**

- 1) Participate in project-based services for real-world EHSM practices under the direction of the instructor.
- 2) Prepare written reports, inspections, or provide artifacts used in EHSM compliance for various industries.
- 3) Perform EHSM technical services in accordance with industry BMPs and regulations under the direction of the instructor.

**Course Objectives**

Students will be able to:

- 1) Develop an instructor approved work plan to accomplish project goals related to EHS program management.
- 2) Apply written and verbal communication methods to coordinate project tasks with instructor and point-of-contacts for industry.
- 3) Create instructor approved professional and appropriate EHSM program artifacts for industry.
- 4) Function safely and professionally in a typical EHSM workplace environment.

- 5) Identify, select, and apply technology as required on the job.
- 6) Assess future training needs for a career in environmental technology.

**Method of Evaluation**

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in the subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Instructor observations which measure students' ability to function safely and professionally within the EHSM field and apply problem solving, critical thinking, technological, and communication skills required to perform effectively.
- 2) Self-critique which measures students' ability to monitor and evaluate their work performance and assess and plan for future training needs.

**Special Materials Required of Student**

Steel-toed boots, pants, long-sleeved shirt, transportation

**Minimum Instructional Facilities**

Smart Classroom

**Method of Instruction**

- 1) Lecture and discussion
- 2) Projects

**Out-of-Class Assignments**

- 1) Reading assignments
- 2) Writing assignments
- 3) Projects
- 4) Reports
- 5) Industry assigned goals

**Texts and References**

- 1) Required (representative example): Industry Standards as provided.
- 2) Supplemental: Consensus standards and peer-review, scholarly journals.

**Student Learning Outcomes**

Upon successful completion of this course, students will be able to:

- 1) Function safely and professionally in a typical EHSM workplace environment.
- 2) Apply classroom knowledge to real world applications in the field.