

**ALLAN HANCOCK COLLEGE  
COURSE OUTLINE**

**DEPARTMENT:** FIRE, SAFETY & EMS  
**PREFIX & NO.:** ENVT 454  
**CATALOG TITLE:** Institute in Environmental Technology  
**SCHEDULE TITLE:** Respiratory Protection/QNFT  
**UNITS:** .5

**WEEKLY LECTURE HOURS:** 8

**WEEKLY LAB HOURS:**

**TOTAL NUMBER OF WEEKS:** (if other than 16) 1 week

**GRADING OPTION:** Credit/No Credit Only

**CATALOG DESCRIPTION**

Training courses focusing on specialized environment technology topics. Topics will be identified on a periodic basis in conjunction with employment or program/discipline needs.

**SCHEDULE DESCRIPTION**

A review of the general requirements of respiratory protection regulations, respirator use, limitations and care of respirators, and respirator quantitative fit testing. Designed to facilitate employer compliance with State and federal respiratory protection regulations. The course may be repeated as often as necessary for the purposes of certification.

**COURSE GOALS To encourage and enable students to:**

1. become familiar with additions/changes to the Code of Federal regulations, state requirements, county requirements, and/or local requirements concerning OSHA standards and environmental technology issues.
2. become skilled in applying additions/changes to the Code of Federal regulations, state requirements, county requirements, and/or local requirements concerning OSHA standards and environmental technology issues.
3. understand and communicate the Health and Safety aspects of OSHA requirements and environmental issues.

**INSTRUCTIONAL OBJECTIVES At the end of the course, the student will demonstrate the ability to:**

1. identify and implement OSHA requirements.
2. evaluate, identify and analyze different environmental issues.
3. discuss the long and short-term consequences of each OSHA requirements and environmental issue.
4. where appropriate, perform course-taught performance skills (i.e. confined space entry, SCBA proficiency, identification of hazardous waste and others).

## **COURSE OUTLINE**

|   | <b><u>WEEKS</u></b> |
|---|---------------------|
| 1. Requirements of “Respiratory Protection regulations                            | 1                   |
| 2. Necessity of respiratory protective devices                                    | 1.5                 |
| 3. Inspecting, donning seal checking, and care of respiratory protective devices. | 1.5                 |
| 4. Skills demonstration and assessment  | 4                   |

## **APPROPRIATE READINGS (other than textbook)**

Employer’s written respiratory protection program.  
California Code of Regulations, Title 8, Section 5144. Respiratory Protection.  
Federal Code of Regulations, Title 29, Part 1910, Section 134. Respiratory Protection.  
Federal Code of Regulations, Title 29, Part 1910, Final Standard History.  
NIOSH Respirator Selection Guide.  
Respiratory User’s Manual  
Provide handouts from OSHA appropriate to course

## **ASSIGNMENTS**

1. Read employer’s written respiratory protection program.
2. Demonstrate proper seal checking, and inspection procedures.

## **EVALUATION**

1. One multiple choice and short answer quiz.
2. Quantitative fit test.

## **TEXTS AND SUPPLIES**

Adopted Text: None

Other Materials: Handouts