

Respiratory Protection

Course Outline

Prerequisites: This course shall have no formal pre-requisite.

Course Length – 1-2 hours - Course length shall vary depending on the number of delegates.
Total course time includes breaks.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session.

Course Objective

- Provide delegates with the information needed to successfully wear respirators.
- Provide delegates knowledge about the requirements of a respiratory protection program.
- Address different types of respirators and their use.
- Address inspection, maintenance, and storage requirements.
- Delegates should be able to demonstrate knowledge during written examination.

Course Design

- Power Point© / Lecture / Audio Video / Visual Aids
- Demonstrations

Successful Course Completion

- Requires a minimum score of 75% or better.
- Delegates will have no more than thirty (30) minutes to complete the exam.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.

Course Content Summary

- Classroom

Breaks: 10 minutes (approximately every hour)

Lunch: 1 Hour (if applicable)

Course Outline

Respiratory Protection

- Regulations
- Key Term
 - Immediate Dangerous to Life and Health (IDLH)

- Respiratory System
 - Diaphragm
 - Trachea
 - Bronchi
 - Alveoli
- Health Effects of Respiratory Exposure
 - Acute vs. Chronic

Respiratory Protection

- Common Effects from Respirator Use
- Why Wear a Respirator?
- Breathing Air Composition
- Employee Control Measures
 - Engineering Controls
 - Administrative Controls
 - Personal Protective Equipment
- Employer Responsibilities
- Respiratory Protection Program Requirements
- Employee Responsibilities
- Types of Respirators
 - Air Purifying
 - Supplied Air
 - Self-Contained Breathing Apparatus (SCBA)
 - Atmospheric Supplied Air
 - Cascade Systems
 - Escape Packs
- Fit Testing
 - Quantitative
 - Qualitative
 - Medical Requirements
- Respirator Usage
- Respirator Inspection
- Respirator Maintenance
- Proper Donning/Doffing
- Respirator Storage

Practical Session

While there is no practical session for this course, employers commonly include a Respirator Fit or Pulmonary Function test as a preparatory step prior to deployment of a worker.



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Training Center Provided Material

- None

Delegate Requirements

- None

Reference Material / Documents

OSHA 29 CFR 1910.134