

ATPL-1060: MEDICAL GAS

Cuyahoga Community College

Viewing: ATPL-1060 : Medical Gas

Board of Trustees:

2012-06-28

Academic Term:

Spring 2019

Subject Code

ATPL - Applied Ind Tech - Plumbers

Course Number:

1060

Title:

Medical Gas

Catalog Description:

Certification course that studies the installation, maintenance and safety concerns of medical gas and its environmental effects.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Plumbers' apprenticeship program.

Methods of Evaluation:

1. Homework
2. Quizzes
3. Final exam
4. Shop exam

Course Content Outline:

1. Identification of gases
 - a. Air
 - b. Oxygen
 - c. Nitrogen
 - d. Helium
2. Environmental and installation effects
 - a. Condensation
 - b. Fire
 - c. Health hazards
3. Installation
 - a. Vacuum
 - b. Brazing
 - c. Pipe and valves
 - d. Alarms
4. Safety
 - a. Fire protocol
 - b. Health and safety procedures
 - c. Personal protective equipment

Resources

White, Gary. *Equipment Theory for Respiratory Care*. 4th ed. Albany N.Y. Delmar, 2005.

Resources Other

1. National Fire Protection Association 99, NFPA 99 Standard for Health Care Facilities. Quincy, Mass: National Fire Protection Association, 2005
2. National Fire Protection Association, NFPA B Standard for Hospital Facilities Quincy, Mass; National Fire Protection Association 2010
3. National Fire Protection Association 50 copy right 2005
4. <http://Codes.org>. National Fire Protection Association 2011
5. <http://Codes.ohio.gov/oac/4101%3a3> Ohio Administrative Code 4103:3 Board of Building Standards: Ohio Plumbing Code

Top of page

Key: 614