



COURSE SYLLABUS

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COURSE: AHR 160 REFRIGERANT CERTIFICATION

HOURS: Lecture: 1 Lab/Shop: 0 Work Exp/Clinical: 0 Credits: 1

COURSE DESCRIPTION:

This course covers the requirements for the EPA certification examinations. Topics include small appliances, high pressure systems, and low pressure systems. Upon completion, students should be able to demonstrate knowledge of refrigerants and be prepared for the EPA certification examinations.

PREREQUISITE(S): None

COREQUISITE(S): None

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

Open Educational Resources (OER) are listed in the course Moodle.

STUDENT LEARNING OUTCOMES:

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

1. Discuss the cause and effects of ozone depletion.
2. Discuss initiatives designed to address ozone depletion.
3. Identify equipment and test instruments related to the handling and transportation of refrigerants.
4. Examine types of refrigerants and refrigerant oils.
5. Discuss EPA requirements as they apply to small appliances.
6. Discuss EPA requirements as they apply to high pressure appliances.
7. Discuss EPA requirements as they apply to low pressure appliances.
8. Interpret charts relevant to EPA Section 608 compliance.
9. Discuss the international effort to reduce the effect refrigerants have on global warming and ozone depletion.

*****Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**