

## **Syllabus**

### **GENERAL INFORMATION**

Course:	Regulations, Cost, and Estimates
Teacher:	Gilberto Garcia Santiago
Code:	RERE 1060
Contact Hours:	56.25
Credits:	3

### **DESCRIPTION**

This program provides education on the proper use of MVAC servicing equipment, the applicable regulatory requirements, the importance of refrigerant recovery, as well as the effects of improper handling of refrigerants on the ozone layer and climate. To be certified, technicians must be trained by an EPA- approved program and pass a test demonstrating their knowledge in these areas.

### **OBJECTIVES**

- Describe three general categories of HVACR service.
- Explain the steps in a standard troubleshooting procedure.
- Evaluate a problem in a logical and systematic sequence.
- Select a remedy for a problem using a three-step procedure.
- Explain how a technician's appearance and conduct affects customer relations.
- Understand the basics for writing service estimates and service contracts.

## **SPECIFIC OBJECTIVES**

- Understand career clusters and career pathways.
- Evaluate HVACR career options.
- Determine which exams and corresponding certifications are most suited for achieving your career goals.
- Understand the tools needed for success in the workplace.
- Understand the importance of professional certifications.
- Understand the value of an accredited HVACR program.
- Explain the value of continuing education and training.
- Understand EPA regulations as they relate to air conditioning and refrigeration.
- Describe OSHA and its purpose.

## **SPECIFIC OBJECTIVES**

- Properly assess electrical, fire, temperature, pressure, refrigerant, chemical, and breathing hazards.
- Explain the components of a safety data sheet (SDS).
- Discuss the need for personal protective equipment (PPE) for head, hearing, eye, and respiratory protection.
- Exercise safe practices when lifting, using a ladder or scaffold, for fall protection, in confined spaces, and for hand and power tools.

## CLASSROOM POLICY

1. For the student's and equipment safety no eating and/or drinking is allowed in the classroom.
2. The use of Smartphone or any other personal device is prohibited during class sessions unless approved by the professor.
3. Any Student who is absent from classes or is behind in their studies, or whatever reason, will be responsible for catching up on their work, veterans students are responsible for planning their hourly reposition in order to comply with veterans administration policies.
4. Please refer to Attendance Policy, page 28 of the Institutional Catalog.

## EVALUATION CRITERIA

Criteria	Grades	Final Grade%
3 Partial Exam	300	50
Final Exam or Equivalent Evaluation	100	25
Quiz	100	15
Homework	100	10
Total	600	100

100% - 90%	A
89% - 80%	B
79% - 65%	C
64% - 60%	D
59% - 0	F

## INSTRUCTIONAL RESOURCES

- Textbook: Chapter 3,1,2
- Online Textbook: Video,
- Other instructional resource:
- Online Textbook: Vocabulary Activities, Chapter 3,1,2
- Other resource: <http://passwordtech.edu20.org>

Textbook: MODERN REFRIGERATION AND AIR CONDITIONING 20th  
 ISBN 978-1-63126-354-5

## NOTES:

- **Reasonable Accommodation:** All students who require a reasonable accommodation must request the same at the beginning of the course or as soon as they acquire knowledge of what they require, through the Professor in charge and by notifying the Academic Director.
- **Honesty, fraud, plagiarism:** Lack of honesty, fraud, plagiarism and / or any other inappropriate behavior in relation to the student's academic performance constitute violations of the Catalog of the Institution, its Rules of Conduct and Duties of the Student. Major infractions, according to the Catalog may result in the suspension of the Institution for a definite time or permanent expulsion as stipulated in the Rules of Student Conduct and Duties.