

REFRIGERANT RECOVERY TRAINING/HVA113/SECTION 602

Spring 2020 Syllabus

CONTACT INFORMATION

Instructor: John F Oldani, Jr.
Office: By Arrangement
Office Hours: By Arrangement
Phone: (303) 564-7806
Email: john.oldani@rrcc.edu

REQUIRED TEXTBOOK/Course Materials

Provided with Class Fee. All useful information is on D2L along with Study guides and Power point presentation.

COURSE DESCRIPTION:

Explains the laws regarding refrigerant recovery. The course includes hands-on use of recovery equipment. Upon successful completion of this course, students will be prepared to take the EPA certification test. Test is offered following the class. Test fee is not included in course fee.

Credit hours: 1

COURSE PREREQUISITE/CO-REQUISITES

HVA 102

COURSE COMPETENCIES

- I. Justify refrigerant reclamation
- II. Demonstrate Refrigerant reclamation
- III. Apply Regulations

TOPICAL OUTLINE:

- I. Laws governing refrigerant recovery
- II. Hands on refrigerant recovery
- III. Refrigerant recovery test

COURSE REQUIREMENTS / EXPECTATIONS

Upon completion of Refrigerant Recovery Training, students will be able to:

Pass the EPA CFC Certification exam

Identify the various parts of a recovery/recycling machine

Demonstrate this knowledge in the lab setting with lab equipment.

Use manufacturer's charts and tables in identifying refrigerant temperature and pressure throughout the Carnot Cycle.

GRADES

METHODS OF EVALUATION / GRADING / ASSESSMENT

EVALUATION METHODS

Attendance 75%

Lab Work 10%

Quizzes and Homework 15%

GRADING SCALE:

GRADING SCALE

GRADING POLICIES

LETTER GRADE/PERCENTILE

A = 90 – 100

B = 80 – 89

C = 70 – 79

D = 60 – 69

F = 0 – 59

DATES

STUDENTS PLEASE VERIFY YOUR SPECIFIC CENSUS AND WITHDRAW DATES IN THE DETAILED STUDENT SCHEDULE, WITH DROP & WITHDRAWAL DATE, IN THE ROCK, UNDER THE STUDENT TAB

Census Date (last day to drop with a refund) September 4, 2019

If you drop a class before the drop date you are not responsible for payment, and you will not lose College Opportunity Fund (COF) credits. Additionally, a dropped course will not be visible on your permanent student record. If you are on financial aid, you should consult a financial aid advisor before dropping a class.

Census date is February 5th, 2020

WITHDRAW DATE (LAST DAY TO WITHDRAW WITH A "W")

You can withdraw between the drop and withdrawal dates without affecting your grade point average. However, if you withdraw from a class you will be responsible for full payment and you will lose COF credits. If you are on financial aid, you should consult a financial aid advisor before withdrawing from a class.

April 20, 2020

Spring Break is the week of March 23, 2020. Last Class is May 12, 2020.

ATTENDANCE POLICY

Attendance is critical to achieve a passing grade. 75% of the grade is based on attendance.

Hands on Lab may be conducted during Lunch Week 1 and Schedule Adjusted accordingly. Online Testing would begin Week 2 about 11 am.

ACADEMIC INTEGRITY STATEMENT / ACADEMIC DISHONESTY

Academic Misconduct: Plagiarizing, cheating, or committing any other form of academic misconduct including, but not limited to, unauthorized collaboration, falsification of information, and/or helping someone else violate reasonable standards for academic behavior. Students who engage in any type of academic dishonesty are subject to both academic consequences as determined by the instructor and to disciplinary action as outlined in the RRCC disciplinary procedures.

The [RRCC Student Handbook](#) is your most current source of dates, resources, contacts, and policies.

ACCESSIBILITY

Red Rocks Community College is committed to access for students with disabilities. If you are a student with a disability and need assistance or are interested in requesting accommodations, please contact [Accessibility Services](#). Faculty are not obligated to provide accommodations without proper notification by Accessibility Services and accommodations are not retroactive. Students may contact the Access staff by telephone or email to make an intake

appointment at 303-914-6733 or access@rrcc.edu. Accessibility Services is located in Suite 1182 at the Lakewood campus. More information is available at www.rrcc.edu/accessibility-services.

NON-DISCRIMINATION STATEMENT

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution and does not discriminate on the basis of disability, race, creed, color, gender, sexual orientation, gender expression, religion, age, national origin, or ancestry, or any other category protected by applicable law. Please direct discrimination inquiries to: Red Rocks Community College, Human Resources, 13300 W 6th Avenue, Lakewood, CO 80228-1255, 303-914-6298.

MANDATORY REPORTING STATEMENT

Our College is committed to preserving a safe and welcoming educational environment for all students. As part of this effort, I have an obligation to report certain issues relating to the health and safety of campus community members. I must report to the appropriate College officials any allegation of discrimination or harassment. Sexual misconduct, which includes sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, and sexual exploitation, is considered a form of discrimination.

In addition to reporting all discrimination and harassment claims, I must report all allegations of dating violence or domestic violence, child abuse or neglect, and/or credible threats of harm to yourself or others. Such reports may trigger contact from a College official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like more information, you may reach the Title IX/EO Coordinator: **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298** or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu) (arnie.oudenhoven@rrcc.edu)

Reports to law enforcement can be made at the Red Rocks Campus Police Department behind the Welcome Desk at the Main Entrance or rrpd.dispatch@rrcc.edu at 303-914-6394.

If you would like a confidential resource, please contact **Arnie Oudenhoven, Executive Director of Human Resources/Title IX Administrator, 303-914-6298** or [Arnie Oudenhoven](mailto:arnie.oudenhoven@rrcc.edu)

Further information may be found on the college [Human Resources](http://www.rrcc.edu/human-resources) web site: <http://www.rrcc.edu/human-resources/sexual-misconduct>.

RRCC SYLLABUS INSERT – COLLEGE POLICIES AND ADDITIONAL INFORMATION

The RRCC SYLLABUS INSERT – COLLEGE POLICIES AND ADDITIONAL INFORMATION can be found on the Home page of every D2L course site. Please access this link for additional information and helpful links.

TENTATIVE COURSE SCHEDULE

WEEK 1 – SATURDAY, MARCH 14TH

Note: Exact times may vary due to the inexact nature of discussions and Class participation. This course frequently runs to 5:30 PM in Week 1.

8:00 am - View Dupont Video “Protecting the Ozone”

8:30 am - General introductions. Attendance. Give course overview and ask for expectations. Give expectations, fast pace. Go over Test costs (\$55) not included in class registration at RRCC registrar’s office, Restroom facilities locations, Lunch arrangements, handout Course materials, sample test, Small Appliance handout, ESCO Technician’s manual for EPA Certification. Collect payment for test (\$55) & receipts.

8:45 am - Show Trane video Part 1 Sections 1&2. Follow with Power point presentation Sections 1 & 2 with discussion & examples.

9:50 am - Break. Collect Authorization Forms for RRCC Account Debits.

10:00 am - Show Trane video Part 2 Sections 3, 4, & 5. Follow with Power point presentation Sections 3, 4 & 5 with discussion & examples.

11:30 am - Lunch.

12:30 pm - Show Trane video Part 3 Sections 6, 7, 8 & 9. Follow with Power point presentation Sections 6 & 7 with discussion & examples.

2:30 pm - Break.

2:40 pm - Continue ppt presentation sections 8 & 9 with discussion & examples.

5:00 pm – Dismiss Class with Assigned Homework: Study ESCO Manual and do Sample Test

WEEK 2 – SATURDAY, MARCH 21ST

8:00 am – Attendance.

8:15 am - Show Trane video Part 4, Section 10. Follow with Power point presentation Section 10 with discussion and examples.

9:50 am - Break.

10:00 am - Go over homework and Sample Test.

11:30 am - Lunch.

12:00 pm - Hands on in lab. Transfer of Refrigerant from system to recovery cylinder and back. Focus on recordkeeping and good technician practices to avoid contamination.

2:00 pm - Review for test.

2:15 am - Online Testing for EPA Certification. Students may leave upon completion of exam.

****Note: There is a \$50 fee for the ESCO online exam that is not included in the registration fee!!!! A form will be provided in class!!****

NOTE: Hands on Lab may be conducted during Lunch Week 1 and Schedule adjusted accordingly. Online Testing would begin Week 2 about 11 am.