

RED ROCKS COMMUNITY COLLEGE
HVA 113 SEC. 601/602 COURSE SYLLABUS/SCHEDULE

COURSE OUTLINE

This is NOT a self-paced course. You are expected to complete course work in the semester based on posted dates.

WEEK 1: **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.**
Saturday

8:00 AM-8:30 AM
8:30 AM-8:45 AM

View Dupont Video "Protecting the Ozone"
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-9:50 AM

Show Trane video Part 1 Sections 1&2. Follow with Power point presentation Sections 1 & 2 with discussion & examples.

9:50 AM-10:00 AM
10:00 AM-11:30AM

Break. Collect payment for test (\$55) & receipts.
Show Trane video Part 2 Sections 3, 4, & 5. Follow with Power point presentation Sections 3, 4 & 5 with discussion & examples.

11:30 AM-12:30PM
12:30 PM-2:30 PM
2:30 PM -2:40PM
2:40 PM-5:00 PM

Lunch. Collect payment for test (\$55) & receipts.
Show Trane video Part 3 Sections 6, 7, 8 & 9. Follow with Power point presentation Sections 6 & 7 with discussion & examples.
Break. Collect payment for test (\$55) & receipts.
Continue ppt presentation sections 8 & 9 with discussion & examples.
Homework: Study ESCO Manual and do Sample Test

WEEK 2:
Saturday

8:00 AM-8:15 AM
8:15 AM-9:50 AM

Attendance, Collect payment for test (\$55) & receipts.
Show Trane video Part 4, Section 10. Follow with Power point presentation Section 10 with discussion and examples.

9:50 AM-10:00 AM
10:00 AM-11:30AM
11:30 AM-12:00PM
12:00 PM-2:00 PM

Break. Collect payment for test (\$55) & receipts.
Go over homework and Sample Test.
Lunch. Collect payment for test (\$55) & receipts.
Hands on in lab. Transfer of Refrigerant from system to recovery cylinder and back. Focus on recordkeeping and good technician practices to avoid contamination.
Review for test.

2:00 PM-2:15 PM
2:15 PM-5:00 PM

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!!****

EVALUATION METHODS

- Attendance 75%
- Lab 10%
- Quizzes and Homework 15%

Passing/Failing the ESCO Institute's EPA sanctioned CFC Certification Exam online does not necessarily impact your course grade as this is a preparatory course.

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

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GRADING POLICIES

Letter Grade/Percentile

A =	90 – 100
B =	80 – 89
C =	72 – 79
D =	60 – 72
F =	0 – 59

Incompletes

See Instructor for additional assignment or to make up incomplete work.

COURSE INFORMATION

Title:	Refrigeration Recovery
Number:	HVA 113
Dates:	Sections 601/602 meet Saturdays 8 am–5:00 pm See Catalog
Room:	CTC 3840 or CTC 3809 See current Catalog for exact location.
Description:	This course is a comprehensive preparation for the EPA CFC Certification Exam offered by ESCO Institute. The Online Exam is included in the second meeting of the class. Presentation is in Power Point format with handouts available on D2L and a manual is provided. There is a \$50 Fee for the online Exam that is not included in class registration. A form will be provided authorizing the college to collect the \$50 fee.

INSTRUCTOR INFORMATION

Name:	John F. Oldani, Jr.
Contact:	@ RRCC: 303 914-6202, Voicemail: 303 914-6100 ext. 3504 Cell Phone: 303 564-7806, email: john.oldani@rrcc.edu
Office Hours:	By arrangement
Biography:	Instructing at Community College level since 1984. Teaching at RRCC since 1994. BSME from CU Boulder 1976, AAS in Commercial Refrigeration Heating and AC from DACC 1985. NATE certification 1999 – 2004. EPA CFC Certification 1994. Worked as HVAC Mechanic for Department of Human Services, Colorado Mental Health Institute, Fort Logan 1981 – 1999. General Manager of Blue Ribbon Home Warranty, Inc. 1999 – Present. EPA CFC Exam Proctor for ACCA and ESCO Institute.

REQUIRED TEXTS

Text Information: Provided with Class Fee. See above

COURSE OBJECTIVES

Upon completion of Refrigeration Recovery 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.

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GENERAL POLICIES

Registration/Withdrawal Student Responsibility

It is the responsibility of the student to complete all required registration/withdrawal requirements, including the purchase of books. Specific dates, requirements, and information are available at the Red Rocks Community College web site: www.rrcc.edu. Not withdrawing within the proper time limit will cause the student to receive a letter grade based upon his/her current standing in the class at the end of the course session.

Academic Integrity

At RRCC, academic integrity is the ethical foundation upon which the academic community pursues professional, administrative and scholarly endeavors. Everyone associated with the college's academic community has a responsibility for establishing, maintaining and fostering understanding and respect for academic integrity. Following are some principles associated with academic integrity to which we expect students to adhere:

- Assume responsibility and take credit only for the words and/or ideas in an academic exercise that are expressly one's own.
- Use information, computer programs, disks, another student's work, study aids, and/or other materials only when allowed by the instructor.
- Remove materials from the library, labs and other college facilities only when an official representative of the college grants permission.
- Use copyrighted materials only with permission.
- Refuse to help another commit an act of academic dishonesty.

Academic dishonesty is the intentional act of fraud when an individual claims credit for the work of another, uses unauthorized materials, or fabricates information in any scholarly exercise. Academic dishonesty also includes, but is not limited to, forging educational documents, damaging or destroying the works of another, or assisting others in acts of academic deception. If you are aware of an incident of academic dishonesty, please report the occurrence to a faculty member, department chair or administrator. Those committing academic dishonesty will be subject to disciplinary action: failing the assignment or course, and/or being expelled from the college.

Learning or Physical Disability

If you have a learning or physical disability that will require special accommodations, please notify me by the end of the second week of the course session you are enrolled in.

Student Grievances

Please consult the Student Handbook.

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SYLLABUS INSERT

OTHER: Red Rocks Community College in compliance with federal guidelines, is committed to equal educational opportunity by assuring otherwise qualified students with disabilities equal access to RRCC programs and activities that are provided to students without disabilities. An otherwise qualified person with a disability is a student who meets the academic and technical standards required for admission or participation in all educational programs and activities.

ELIGIBILITY:

To ensure the provision of reasonable and appropriate services at Red Rocks, students with disabilities must identify themselves in a timely manner to the Office of Disability Services (ODS), Room 1182, Learning Commons, 303-914-6733., in order to be eligible for the requested accommodation(s). Current and comprehensive documentation must be on file with the office prior to approval of the accommodation.

This Accommodation Certificate identifies the services that you are authorized for this semester; for this class. It is your responsibility to maintain your status as a student to be sure your services are in place. Accommodations are re-authorized every semester for every class.

It is strongly encouraged that students self-disclose their need for accommodations at the beginning of their academic experience because accommodations are not retroactive.

RRCC will provide accommodations for qualified students with disabilities through communication with your instructor via an Accommodation Certificate and your conversation with me. To request accommodations, contact the Office of Disability Services; Director, Jacquie Stanton at your earliest convenience. The Office of Disability Services located in the Learning Commons in Room 1182. You may contact Jacquie at 303.914.6731 V/TDD or email jacquelyn.stanton@rrcc.edu

The Office of Disability Services also recruits volunteer and paid note takers to assist in providing this service to other students. Contact the office for more information.

Claro, RRCC's scholarly journal, publishes students' high-quality academic work. Publications look great on scholarship applications and resumes. If you do superior work on any certain assignment for this class, ask me if I would consider submitting it to *Claro*! *Claro* accepts any type of academic work, including research papers, charts/graphs, reports, reviews, websites, videos, etc. Go to www.rrcc.edu/claro to view online versions of the last two editions. (**Stina French, RRCC English faculty & *Claro* editor x6327**)

******NOTE: There is a \$50 fee for the ESCO Online Exam (and for re-takes of the missed parts) that is not included in the registration fee. A Voucher from the college will be provided for you to sign authorizing collection of the \$50 fee! ******