

Course Syllabus

Air Conditioning and Refrigeration 25 – Efficiency in HVAC systems

Course 7114 Fall 2014 August 25th – December 10th

Monday & Wednesday 6pm to 9pm 4 units

Course Description: The course focuses standards, measurement & verification, and practices for installation, service, and retrofit of HVAC systems in residential and commercial systems.

Instructor: Ken Robinson

Phone: 310-600-8800 Cell

Email: ken@4climatepro.com

Office Hours: by appointment

Text: Modern Refrigeration, 19th edition – ISBN 978-1-61960-199-4

By: Althouse, Turnquist, Bracciano, Bracciano, and Bracciano

Supplemental materials will also be utilized and provided by the college.

Lab: 6-9 PM Monday

Lecture: 6-9 PM Wednesday

Materials: Pen, Pencil, Paper, Basic calculator

SLO Statement 1: After reading the textbook and participating in class discussions, students will apply their knowledge of appropriate lab practices, concepts and theories by measuring and testing operational systems to determine their limitations.

SLO Statement 2: After completion of this course, students will have the basic skills necessary to install or modify systems in a manner which allowed maximum possible system performance.

SLO Statement 3: Upon completion of this course students will apply knowledge gained by the program and likely will be able to train others at their place of employment on the knowledge they have received. Students will practice what they have learned on a daily basis in the field.

Grading:

Attendance	25%
Test & Quizzes	25%
Lab Assignments	30%
Final Exam	20%

***Notes:** *No late testing*

Assignment due dates:

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Assignments are due on the date the instructor states. Late assignments will be accepted, and will receive 10 points less for each night the class meets since the assignment is due. For example. If an assignment is one week late (two meeting nights), a perfect paper is only eligible for 80% of full credit. (100-20)

Note: *If you choose to drop out of class, it will be your responsibility to drop the class or you will be given an "F" grade at the end of the semester.*

Course Outline

The course will be comprised of portions of the text, supplemental material, and lecture and will be modified throughout the semester as new information and technologies emerge.

Note: Questions at the end of textbook chapters, when given, must be completed with questions and answers written out. Notes may be used when taking quizzes and tests unless otherwise noted in advance. It will be your responsibility to take notes during lab and lecture.

Student Orientation

Participate in orientation with the Online Orientation through MyECC or in the Matriculation Group academic counseling sessions for students, new to the college. Students will meet with a counselor in the Matriculation Groups to prepare an educational plan for the semester. Students who complete Online Orientation must bring in the confirmation page to make a 30 minute counseling appointment for an educational plan.

ECC STUDENT SERVICES CENTER BUILDING

(Please see the Activities Center and Special Resource Center ECC webpage for hours of operation and services offered)

Class Policies

- a) Students are expected to attend classes regularly. Students who have absences exceeding 10% of scheduled class meeting time may be dropped by the instructor.
- b) El Camino College places a high value on the integrity of its student scholars. When an instructor determines that there is evidence of dishonesty in any academic work (including, but not limited to cheating, plagiarism, or theft of exam material), disciplinary action appropriate to the misconduct as defined in BP 5500 may be taken. A failing grade on an assignment in which academic dishonesty has occurred and suspension from class are among the disciplinary actions for academic dishonesty (AP 5520). Students with any questions about the Academic Honesty or discipline policies are encouraged to speak with their instructors in advance.
- c) **Accommodations:** It is the policy of the El Camino Community College District to encourage full inclusion of people with disabilities in all programs and services. Students

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with disabilities who believe they may need accommodations in this class should contact the campus Special Resource Center at 310-660-3295 as soon as possible. This will ensure that students are able to fully participate.

Semester Schedule

Classes are scheduled each Monday and Wednesday beginning August 25th and ending December 10th. Class starts at 6:00pm.