

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Diesel Mechanics</u>								
COURSE RUBRIC AND NUMBER	<u>DEM 1323</u>								
COURSE TITLE	<u>Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair</u>								
COURSE CREDIT HOURS	<table border="0" style="margin: auto;"> <tr> <td style="padding: 0 10px;">3</td> <td style="padding: 0 10px;">2</td> <td style="padding: 0 10px;">:</td> <td style="padding: 0 10px;">3</td> </tr> <tr> <td style="padding: 0 10px;">Credits</td> <td style="padding: 0 10px;">Lec</td> <td></td> <td style="padding: 0 10px;">Lab</td> </tr> </table>	3	2	:	3	Credits	Lec		Lab
3	2	:	3						
Credits	Lec		Lab						

I. Catalog Description

Provides an introduction to heating, ventilation, and air conditioning theory, testing, and repair. Emphasizes refrigerant reclamation, safety procedures, specialized tools, and repairs. **(2:3). Lab fee.**

II. Course Objectives

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

- A. Analyze heating, ventilation, and air conditioning systems.
- B. Repair or replace components utilizing special tools.
- C. Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with federal, state, and local regulations.
- D. Perform all practices and procedures according to current mandates, standards, and regulations.

III. THECB Learning Outcomes (WECM)

- 1. Analyze heating, ventilation, and air conditioning systems.
- 2. Utilize specialized tools.
- 3. Repair or replace components.

IV. Evaluation

The knowledge and skills stated in the objectives must be demonstrated by the students in the form of test and lab assignments in order to complete the course. Performance tests and lab assignments will be weighed as follows:

Performance Tests	40% of final grade
Lab Assignments	40% of final grade
Classroom Participation	<u>20% of final grade</u>
Total	100%

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructors before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.