Course Syllabus

Automotive Climate Control Systems
AUMT 1345

Course Description: Diagnosis and repair of manual/electronic climate control systems. Includes the refrigeration cycle and EPA guidelines for refrigerant handling. May be taught manufacturer specific.

Semester Hours Credit: 3

Lecture/Lab Hours: This course meets for (2) lecture and (4) lab hours per week

Prerequisite: Introductory

Textbook(s): Automotive Technology, Erjavec, Jack. 5th ed. ISBN#9781428311

End-of-Course-Outcomes:
1. Use safety procedures including proper refrigerant handling;
2. Explain the refrigeration cycle
3. Diagnose and repair systems including automatic temperature control.

Evaluation Methods:
- Written Exams
- Classroom Participation
- Lab Work
- Safety Practices

GRADING PROCEDURES:

- Classroom (Test and Participation) 20%
- Lab Project Completion and Safety 50%
- Final Exam 30%

Student Learning Outcomes: Utilizing appropriate safety procedures students using critical thinking skills will describe the refrigeration as it moves through the system and each components purpose and effect it has on the refrigerant. Assessment for this SLO will be performed during a Mid-term test. Target for this SLO will be for students to obtain a pass rate of 75% or better.
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For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.

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See at: [FLB (Local)](https://www.coastalbend.edu/about/academic-dishonesty) and [FM (Local)](https://www.coastalbend.edu/about/academic-dishonesty).
See the [Student Handbook](https://www.coastalbend.edu/about/academic-dishonesty) for further explanation of Scholastic Dishonesty.

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CIP Code Description: 47.0604 (Automobile/Automotive Mechanics Technology/Technician)

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