Course Syllabus

Automotive Alternative Fuels
AUMT 2457

Course Description: A study of the composition and use of various alternative automobile fuels including retrofit procedures and applications, emission standards, availability, and cost effectiveness. Overview of federal and state regulations concerning fuels.

Semester Hours Credit: 4

Lecture/Lab Hours: This course meets for (2) lecture and (6) lab hours per week

Prerequisite: Advanced

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

Student Learning Outcomes: Describe appropriate safety procedures; explain the properties and advantages of each fuel; make recommendations for use of each fuel using local criteria as a basis for proper choice; describe applicable federal and state regulations; and identify retrofits on various types of vehicles using various types of fuels.

Evaluation Methods: Written Exams
Classroom Participation
Lab Work
Safety Practices

GRADING PROCEDURES:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom (Test and Participation)</td>
<td>30%</td>
</tr>
<tr>
<td>Lab Project Completion and Safety</td>
<td>30%</td>
</tr>
<tr>
<td>Attendance</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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</tbody>
</table>

Learning Innovation Excellence Leadership Diversity Respect Service Integrity Collaboration Communication

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See at: [GL (Legal)](#)

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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)](#) and [FM (Local)](#).

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