I. Course Number: AERM 1208

II. Course Title: Federal Aviation Regulations

III. Instructional Time:

   Semester ------  2 hours
   Lecture ------  13 hours
   Lab -----------  52 hours
   Final Test -----  1 hour
   Total Clock --  66 hours

IV. Course Description:

   A course in the use and understanding of Federal Aviation Administration and aircraft manufacturers' publications, forms, and records; and the exercise of mechanic privileges within prescribed limitations.

V. Course Learning Outcomes:

   Write descriptions of work performed including aircraft discrepancies and corrective actions using typical aircraft maintenance records; and complete required maintenance forms, records, and inspection reports. Demonstrate ability to read, comprehend, and apply information contained in Federal Aviation Administration (FAA) and manufacturers' aircraft maintenance specifications, data sheets, manuals, and publications and related Federal Aviation Regulations, Airworthiness Directives, and Advisory material. Read technical data and exercise mechanic privileges within the prescribed limitations.

VI. Program Objectives:

   Level 3 A. Demonstrate ability to read, comprehend, and apply information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications, and related Federal Aviation Regulations, Airworthiness Directives, and Advisory material.

   Level 3 B. Read technical data.

   Level 3 C. Exercise mechanic privileges within the limitations prescribed by part 65 of this chapter.

   Level 3 D. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical aircraft maintenance records.

   Level 3 E. Complete required maintenance forms, records, and inspection reports.

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VII. Practical Projects:

A. Perform research of FAA and manufacturers' aircraft maintenance specifications, including related manufacturers' and Federal Aviation Regulation data.

B. Perform research of technical data.

C. Perform mechanic privileges as prescribed by FAR Part 65.

D. Perform logging of aircraft maintenance records.

E. Perform the completion of required maintenance and inspection forms, records, and reports.

VIII. Teaching Methods:

To include lecture, discussion, audio/visual aids, computer based training, hand outs, and reference materials.

IX. Evaluation:

Evaluation methods for this course are as follows:

A. Quizzes: Informal quizzes may be administered periodically to measure student progress and to identify significant learning problems. The quiz type (multiple choice, oral, essay, etc.) and the frequency of administration shall be at the discretion of the instructor. Quiz grades are not used in computing course grades.

B. Practical Projects and Mid-term Tests: At the completion of instruction of an objective, the students performance will be evaluated by a knowledge test and/or a practical project. Mid-term tests grades are averaged with Practical Projects grades.

C. Final Examination: A final exam will be administered at the conclusion of the course and shall be comprehensive of the entire course.

D. Grading: A percentage grading system shall be used and the student's final grade shall be computed as follows:

<table>
<thead>
<tr>
<th>Practical Projects and Mid-term Test</th>
<th>65%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Examination</td>
<td>35%</td>
</tr>
</tbody>
</table>

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E. Final percentage grades shall be converted to letter grades as follows:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>59-0</td>
<td>F</td>
</tr>
</tbody>
</table>

X. Tools and Equipment:

Special tools and equipment required for this unit are to be furnished by Coastal Bend College. All hand tools, however, are to be furnished by the individual student and shall be immediately available to the student at the beginning of this course of instruction.

XI. Attendance Policy:

Refer to the Coastal Bend College Airframe & Power Technology Program attendance policy.

XII. Bibliography:

A. Required Text:


B. Supplementary Text:


8. Aircraft Manufacturers Specifications and/or Support Material.