Date: August 22, 2008
Revision: 000

COASTAL BEND COLLEGE
Airframe & Power Technology Program
General Course Syllabus

I. Course Number: AERM 1201

II. Course Title: Introduction to Aviation

III. Instructional Time:

Semester ------ 2 hours
Lecture ------- 32 hours
Lab ---------- 0 hours
Total Clock -- 32 hours

IV. Course Description:

An overview of aviation maintenance including the history of aviation, the mechanic's roles and duties, and nomenclature of aircraft and safety.

V. Course Learning Outcomes:

The student will identify important events and people in aviation; match the names of aircraft components; determine correct safety procedures; and determine the responsibilities of an airframe and powerplant technician.

VI. Program Objectives:

Level 3 A. Demonstrate knowledge and adherence of safety procedures in accordance with all applicable safety and dress code standards.

Level 3 B. Demonstrate basic knowledge, and skills, of aviation maintenance and aviation safety.

Level 3 C. Identify given aircraft and aircraft components.

Level 3 D. Identify given people, aircraft, aircraft components, and events in aviation history.

Level 3 E. Demonstrate basic knowledge, and skills, in scientific research of aircraft operation and maintenance utilizing equipment, tools, and reference material.

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VII. Practical Projects:

A. Review and adherence of all applicable safety and security protocols.

B. Facility and operations orientation.

C. Identify given aircraft and aircraft components.

D. Identify given people, aircraft, aircraft components, and events in aviation history.

E. Perform scientific research of aircraft operation and maintenance.

VIII. Teaching Methods:

To include lecture, discussion, audio/visual aids, 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:

Practical Projects and Mid-term Test	65%
Final Examination	35%

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

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

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:

Please refer to Coastal Bend College policies.

XII. Bibliography:

A. Required Text:

1. JS312624, **Standard Aviation Maintenance Handbook**, Jeppesen Sanderson, Inc.

2. JS312617, **AC 43.13-1B/2A, Acceptable Methods, Techniques, and Practices, Aircraft Inspection and Repair, Department of Transportation, Federal Aviation Administration**, Jeppesen Sanderson, Inc.

B. Supplementary Text:

3. JS312690, **A&P Technician General Textbook**, Jeppesen Sanderson, Inc.

4. JS312616, **Federal Aviation Regulations Handbook for Aviation Maintenance Technicians**, Jeppesen Sanderson, Inc.

5. JS312691, **A&P Technician General Test Guide**, Jeppesen Sanderson, Inc.

6. JS322710, **A&P Technician General Workbook**, Jeppesen Sanderson, Inc.

7. JS312625, **Aircraft Technical Dictionary**, Jeppesen Sanderson, Inc.

8. Aircraft Manufacturers Specifications and/or Support Material.