

GAVILAN COLLEGE
Aviation Maintenance Technology
Fall 1999

Course Syllabus

Course # / Title: AMT 110–Airframe Maintenance Technology

Course Description: Study of aircraft aerodynamics, rigging and assembly, aircraft sheet metal structures and welding technology. Also the study of cabin atmosphere systems, fuel systems, and line maintenance, level information on aircraft instruments. Each of these areas will be accompanied with appropriate laboratory time.

Instructor: Fred Young Phone: (831) 637-1151

Office Hours: Monday - Friday: 9:30 - 10:30 a.m.
Wednesday: 9:30 a.m. - 3:00 p.m.

Required Books: Airframe/Powerplant Mechanics Airframe Handbook AC65-15A
Department of Transportation, F.A.A.

Acceptable Methods, Techniques and Practices/Aircraft Inspection and Repair AC43.13-1A&2
Department of Transportation, F.A.A.

Class Hours: 10:30 a.m. - 3:30 p.m. daily

Required Tools: (See separate tool list.) Tools should be acquired by third week of class.

Tools necessary for the first week of lab classes:

- drill bits #30, #40, #21
- 6 inch scale - 32/divisions
- welding goggles
- safety glasses

Required Reading: Aircraft Structures, Chapter 1
Aircraft Structural Repairs, Chapter 5

Course Requirements: A) Attend General at same time as Airframe or have completed General
2) You must complete Airframe with a minimum of a C average and complete 750 hours before a certificate can be issued.

“Students requiring special services or arrangements because of hearing, visual, or other disability should contact their instructor, counselor, advisor, or the Disabled Student Services Office.”

“Occupational/Vocational Students: Limited English language skills will not be a barrier to admittance to and participation in vocational education programs.”

“Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal.”

“Please help keep Gavilan College a litter-free campus and preserve its park-like setting.”

Subjects To Be Covered: Aircraft Sheetmetal
Welding
Aerodynamics
Cabin Atmospheric Control Systems
Aircraft Fuel Systems
Aircraft Instrument Systems

Methods of Grading: There will be a division between lab 60% and lecture 40%.

1. Quizzes and block test will be 50% of grade.
2. Mid-term and final exams will be 20%.
3. Notebook will be 15%.
4. Projects, lab work will be 15%.
5. Grades are based on a percentage of total points with 1000 being the maximum possible. The plus and minus (+ and -) grading system is also used.

<u>Points</u>	<u>Percentage</u>	<u>Grade</u>
900 - 1000	90% - 100%	A
800 - 899	80% - 89%	B
700 - 799	70% - 79%	C
600 - 699	60% - 69%	D
599 or less	59% or less	F

Each hour you miss will be one point off your total point accumulation (due to lack of participation).

Notebook: Your airframe notebook will include the following information:

6. Class notes 75 points
7. Question sheets 75 points
8. Lab projects 50 points

Notebooks will be due one week before finals.

You may elect to write a term paper on one of the subject areas studied instead of a notebook. However, the question sheets and project sheets must be completed and turned in with your paper.

Notebooks – Required Contents: Your notebook must include the following items and procedures:

- a) Locking 3-clip binder
- 2) Name and AMT number on binder
- 3) Index, tabs for sections
- 4) Class information sheet
- 5) Class notes
- 6) Project sheets
- 7) Question sheets
- 8) Handout information
- 9) Review sheets
- 10) Special projects completed

- Note: - **No Xerox** copies of notes or projects
- 10 points will be deducted for each day notebook is late