

GAVILAN COLLEGE
Aviation Maintenance Technology
Spring Semester

Course Syllabus

Course # / Title: AMT 101--General Aircraft Technology

Course Description: This course will provide the student with a thorough understanding of the use of maintenance publications, maintenance forms and records, with emphasis on A&P mechanic privileges and limitations. Basic electricity for aircraft from Ohm=s Law through transistor theory will be taught as well as ground operation and servicing of aircraft.

Instructor: David Connal **Office Hours:** 10:30 a.m. - 2:30 p.m M T Th F
Phone:(831) 637-1151

Required Books: Airframe/Powerplant Mechanics General Handbook EA-AC65-9A
Department of Transportation, F.A.A.

Acceptable Methods of Repair and Alteration AC43.13-1A&2
Department of Transportation, F.A.A.

Aircraft Batteries (Lead Acid-Nickel Cadmium EA-AB1
Aviation Maintenance Publishers, Inc.

Federal Aviation Regulations Handbook for Aviation Mechanics EA-FAR-1N
Department of Transportation, F.A.A.

Class Hours: 8:00 a.m. - 10:30 a.m. daily

Breaks: A break will be taken at 9:30 a.m. and will be for no longer than 15 minutes. Class will resume at 9:45 a.m. Use of the break room is prohibited as long as the Powerplant students are in the classroom.

Subjects Taught: Federal Aviation Regulations, Forms and Records, Aircraft Drawing and Blueprint Reading, Basic Electricity D.C. and A.C., Aircraft Generators and Motors, Ground Servicing and Handling.

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.

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Class Requirements:

1. Attendance: Excessive absences or tardiness will result in the student being dropped from the course.
2. Notebook: Each student is required to take notes in class and keep a notebook of all homework assignments, handout materials and class notes.
3. Research Project: Each student will be required to write one 10-page research paper on a subject approved by the instructor. Due date will be announced.
4. Homework Assignments: All assignments will be due as specified by the instructor. Late assignments will not be accepted and credit for the assignment will be zero.
5. Assignment Quizzes: Assignment quizzes will be given in each area studied and may be unannounced. A student absent from class on quiz day will receive zero points. Quizzes cannot be made up.
6. Sectional Exam: An exam will be given following each subject area studied.
7. Mid-Term Exam: A major test will be given half-way through the semester covering all material studied during the first half of the semester.
8. Final Exam: A final examination will be given during the final week of the semester covering all material studied during the semester. This exam carries a high point value and can easily change a grade by one full letter grade.
9. Shop/Lab: Students will be given daily grades for shop/lab based on quality of work, quantity of work, shop cleanliness and safety. During shop/lab classes, only. General Technology projects will be worked on unless other projects have been cleared with the instructor.

Method of Grading:

Grades are based on a percentage of total points with 1000 being the maximum possible. The plus and minus grading is also used.

Requirement	Percentage	Points
Notebook	10	100
Homework Assignments	10	100
Research Project	10	100
Assignment Quizzes	10	100
Sectional Exams	15	150
Mid-Term Exam	10	100
Final Exam	20	200
Shop/Lab	15	150

<u>Total Number of Points</u>	=	<u>Grade</u>
1000 - 900	=	A
899 - 800	=	B
799 - 700	=	C
699 - 600	=	D
599 - 0	=	F

General Information:

Students who withdraw within the first four weeks of the semester will have no record shown.

Those who withdraw between week five and week nine will receive a W grade, which does not affect the student's grade point average.

Those who withdraw after week nine will receive an F grade.