

Fundamentals of Aviation Science - Syllabus

Introduction

Aviation is an exciting field of study. When you learn an important scientific principle, you have the chance to see how the principle really works in the air or in a flight simulator. There is also nothing quite like the joy of flight.

We've taught many young students about aviation. These students learn not only a love for aviation, but a love for the scientific principles that make it possible. We've seen many students whose math and science scores in other classes have dramatically improved after learning how to fly because now they understand why they are learning.

For many of you, it will be your first experience with an Internet based course. Rather than bricks and walls and a set schedule for your class, you can access the course from anywhere at any time with Internet access.

The course is dynamic, which means it changes. It can change as new information and better techniques or examples are developed. You can participate in discussions with your classmates, via a class bulletin board. You can talk to the online instructors and support staff via e-mail. You can also travel to links outside of the site to broaden your experience.

The class is not a textbook on the Internet. It sometimes may look like one, but is not. The class, however, is based on lectures honed over many years of teaching. It adds emphasis to the important questions, concepts, and principles that will help you become a good pilot.

Demo > <http://www.aeroscholars.com/course-demo1/>

Grades

- Your grade for this course is based upon completion of the assignments listed here.
- Each assignment is explained in detail below the table.
- To access any of the assignments and exams, use the links found on the "My Grades" page. This is located under the "Course" navigation button.

Item	Points
Policies and Syllabus Quiz	20
Bulletin Board Questions	Not Applicable
Lecture Quizzes (10 points each)	160
Airport Tour	50
Museum Tour or Virtual Tour	50
Midterm I	100
Midterm II	100
Final Examination	200
Total	680

Policies and Syllabus Quiz

The Policies and Syllabus Quiz is designed to help you reinforce your knowledge and understanding of course policies and procedures. Please review the course policies and procedures and other information found under the entire syllabus link and then take the quiz. You should get 100% on this quiz to continue in the course. If you miss a question, just email the support team and let them know which question you missed along with the correct answer and your understanding of the policy.

Lecture Quizzes

After reading and studying each lecture, you should take its corresponding online lecture quiz. There are a total of 16 quizzes, worth 10 points each, which will help prepare you for the midterm exams and the final.

Airport Tour

An airport is a very interesting place to visit. All airports have at least three main features: airplanes, an airstrip, and service buildings or equipment. When you visit the airport, look for these things and see what you can learn about them. You could talk with the mechanic in a hangar to find out what kinds of maintenance each airplane requires, look at a map of the airfield to determine which direction each runway points, or count how many different models of aircraft you can find there.

You may tour an airport with fellow students in your area or by yourself. Once you have finished your airport tour, click on the assignments page found under the "course" link in the navigation bar to fill out the online airport tour form.

WARNING: Plan your tour of a local airport EARLY IN THE SEMESTER. It can be a formal visit with a scheduled appointment, or simply a plan to visit the local airport.

Museum Virtual Tour

This is a virtual tour of the EAA Air Venture Museum through the Internet. You can direct your web browser to the Virtual Museum by visiting the following link: <http://www.airventuremuseum.org/virtual/tour.asp>

After your browse through the 13 sections of the museum, click on the assignments page found under the "course" link in the navigation bar to fill out the online museum tour form.

Extra Credit

Extra credit up to 20 additional points is available in the course and is found in various lessons. To know if a particular lesson offers extra credit, an Extra Credit bar on the left column of the lesson page will appear. This bar is found next to other bars such as Objectives, Tasks, and Key Terms. All extra credit assignments should be submitted to livehelp@aeroscholars.com.

AeroScholars End of Course Survey

Students are requested to complete an "End of Course Survey" after they complete the Fundamentals of Aviation Science course. AeroScholars uses the data collected from "End of Course Surveys" to evaluate how well the objectives of its mission statement are being met, and as a basis for continuously improving the quality of course content and student services. All comments are welcomed and appreciated in filling out the survey. Students who complete the survey will receive an additional 20 points for the course. There will be no points deducted from your grade based on your comments.

Online Exam Access

- Exams may be accessed by first selecting the "Course" button, followed by the "My Grades" option.
- A list of assignments, including the exams will appear. Select the appropriate exam to begin.
- Each exam has a specific number of questions along with a pre-defined time limit for completing the exam. The table below shows the number of questions, the time limit for the exam, and the lessons from which the questions will be drawn.

Fundamentals of Aviation Science			
Exam	Lessons Covered	Questions	Time
Midterm #1	Lessons 1-5	50 multiple choice	40 minutes
Midterm #2	Lessons 6-10	50 multiple choice	40 minutes
Final Exam	Lessons 1-17	60 multiple choice	50 minutes

Note

It is your responsibility to complete the assignments on time, no later than the due date. You may view your progress in the course at any time by clicking on the grades button located on the navigation bar. If you have any questions about the progress of your grade, feel free to e-mail the AeroScholars support team using the e-mail button on the navigation bar.