



AVIA 100: Aviation Fundamentals

Course Description

This course provides a well-rounded academic foundation in aviation and flight. It begins with a history of aviation followed by a study of the basic scientific principles of flight including aviation weather. Students next learn about the infrastructure supporting aviation, such as airports, airlines, manufactures and air navigation services providers and explore careers in each field. The course concludes with an exploration of flight operations and aircraft maintenance.

Prerequisites: None

Credits: 3 credit hours, 6 ECTS

Hellenic American University fully complies with federal requirements relating to Title IV program participation vis-a-vis the award of academic credit. The basic unit of credit at Hellenic American University is the semester hour. In a typical 15-week semester, each credit awarded corresponds to one contact hour of classroom instruction per week, which is supplemented by a minimum of two hours of appropriate out-of-class activities of appropriate academic rigor.

Learning Outcomes

At the conclusion of this course, students will be able to:

- Identify significant historical aviation milestones.
- Define common aviation terminology, definitions, and acronyms.
- Describe the aviation industry structure, including the role of air carriers, general aviation and regulators.
- Identify basic aircraft systems, instruments, and components of a conventional airplane.
- Summarize the basic principles of flight.
- Interpret basic weather principles and their impact of aviation operations.
- Recite the basic principles of navigation, aeronautical chart interpretation, and airport symbology.
- Conduct basic flight maneuvers and simple cross-country flights through the use of desktop flight simulation.
- Compare careers in aviation and the sources of information on those careers.

Course Information

Class Times
See Course Schedule Below

Class
6th floor conference room

Credits
3 US / 6 ECTS

Instructor
Dr. Triant Flouris

Email
tflouris@hauniv.edu

Telephone
210-3680915

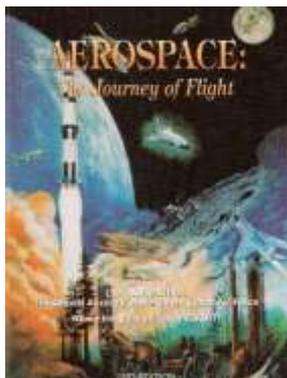
Office Hours
Individual appointments
provided by contacting
instructor

Course Requirements

In order to successfully complete the course, the student must:

- Attend class regularly (see attendance policy).
- Study coursework and follow Blackboard contents.
- Actively participate in class activities.
- Complete homework for every class that is required.
- Satisfactorily complete all assessments activities related to the course.

Course Textbook



Required: *Aerospace: The Journey of Flight*, 2nd Edition. Civil Air Patrol, 2008

Supplemental Reading:

- *The Aviation Dictionary*, e-book. Jeppesen
- *GFD Private Pilot*, e-book. Jeppesen
- *Aviation Weather*, e-book. Jeppesen
- *Pilot Training (FAA)*, e-book. Jeppesen

Also provided by the instructor in handouts

Additional Resources

Additional the materials will also be available electronically through Blackboard Learning System at <http://e-learning.hau.gr> OR handed out in class. All contents from classes will be noted by the instructor and followed by the students in the Blackboard Learning System.

Blackboard Learning System <http://e-learning.hau.gr>

Hellenic American University uses Blackboard Learning System e-learning platform for all its Undergraduate (and Graduate Program) courses. The Blackboard e-learning platform is a virtual course environment with a complete set of efficient tools for communication, collaboration and supervision. Students can use the Blackboard system to access course materials and resources organized by their instructors using any Internet enabled computer.

Course Schedule

Unit	Date	Time	Topic	Host	Type
1	Monday 25/6/2018	12:00 – 17:00 Lunch 14:00 – 15:00	The Science of Flight	HAEC	Class- 6 th floor conference room
	Wednesday 27/6/2018	09:00 – 17:00 Lunch 12:30 – 13:30	The Science of Flight: Air Transport Operations & Aircraft Maintenance, Athens International Airport	Aegean	Practicum
2	Friday 29/6/2018	12:00 – 17:00 Lunch 14:00 – 15:00	The Air Transportation System	HAEC	Class- 6 th floor conference room

	Monday 2/7/2018	09:00 – 17:00 Lunch 13:00	The Air Transportation System: Airport Ground Operations & Air Traffic Management, Athens International Airport	AIA	Practicum
3	Wednesday 4/7/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Aviation History and Careers	HAEC	Class- 6 th floor conference room
	Friday 6/7/2018	09:00 – 17:00 Lunch 13:00	Aviation History and Careers: Airforce Museum, Tatoi	Ministry of Defence	Practicum
4	Monday 9/7/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Flight Operations	HAEC	Class- 6 th floor conference room
	Wednesday 11/7/2018	09:00 – 18:00 Lunch 13:00	Flight Operations: General Aviation, Megara Airport	Global Aviation S.A.	Practicum
5	Friday 13/7/2018	12:00 – 14:00	Final Project Presentations	HAEC	Class – Presentation - Graduation

Policies and Procedures

Attendance Policy:

Class participation and attendance are an integral part of the University's education policy: "Our mission requires of us that we pursue excellence in education...We are therefore committed to following the best practices of American higher education that encourage and require punctuality as well as attendance."

Plagiarism Policy:

Students are responsible for performing academic tasks in such a way that honesty is not in question. Academic Honesty Policy in the University Catalog states: "plagiarism is defined as copying another student's work, lending work to another student or representing extracts or whole articles and texts from books or handouts as one's own work". More details on this policy can be found in your *Student Handbook*.

Add-Drop Policy:

Students should follow the university Add-Drop policies as defined in the *Catalog* and *Student Handbook*.

Writing Into Disciplines (WID)

The Hellenic American University fosters the idea that writing as a process is fundamental to learning. In this framework all undergraduate courses incorporate writing as an essential means to promoting communication and the exchange of information across the disciplines.

Assignments

The assignments for this class will be in the form of individual homework. Each student will submit assignments at a predetermined date and time. More information about these assignments will be given at a later time.

Make-up and Late Assignments

Students are expected to manage their time appropriately so as to submit their assignments on time. Late assignments will receive no credit. Exceptions to this rule will be considered on an individual basis.

Method of Evaluation

Grading for assignments and exams will be on a scale of 0% to 100%. Final grade will be computed by weighting all scores as follows:

Attendance & Participation	20%
Homework	40%
Final Presentation	40%
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	100%

NOTE: Whereas this course outline is accurate at the beginning of the term, due to unforeseen circumstances that may arise during the course of the term, it may be altered preserving its structure and outcome.