



AVIA 220: Flight Operations

Course Description

Students master the fundamental knowledge of flying, and the planning and conducting VFR cross-country flights. Students are introduced to the recognition and assessment of significant information and effective decision-making in flight operations including weather, regulations, and human factors as well as learn about basic aerodynamics and aircraft propulsion.

Prerequisites: AVIA 100

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.

Course Information

Class Times
See Course Schedule Below

Class
Room 512

Credits
3 US / 6 ECTS

Instructor
Dr. Triant Flouris

Email
tflouris@hauniv.edu

Telephone
210-3680915

Office Hours
Individual appointments provided by contacting instructor

Learning Outcomes

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

- Understand the major systems, instruments, and components of a conventional aircraft.
- Understand the scientific principles of flight.
- Understand the principles meteorology with respect to aviation and flight operations.
- Understand regulations as they apply to general aviation flight operations.
- Recite the basic principles of navigation, aeronautical chart interpretation, and airport symbology.
- Understand the fundamental principles of navigation during flight.
- Plan a flight in a real-life environment by analyzing all aspects affecting a flight, including, weather, airport operations, fueling, weight and balance etc.

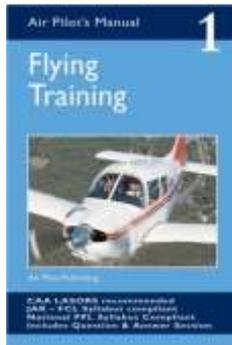
Course Requirements

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:



Trevor Thom and Peter Godwin. *The Air Pilot's Manual: Flying Training, v. 1*, Paperback, 2013

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	12:30 – 17:00 Lunch 14:00 – 15:00	Aircraft General Knowledge	HAEC	Class-Room: 512
	Wednesday 27/6/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Principles of Flight	HAEC	Class-Room: 512
2	Friday 29/6/2018	09:00 – 14:00	Special Topic-Case Study: Flight Dynamics	NTUA	Practicum
	Monday 2/7/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Aviation Meteorology	HAEC	Class-Room: 512
3	Wednesday 4/7/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Navigation	HAEC	Class-Room: 512
	Friday 6/7/2018	09:00 – 17:00 Lunch 14:00 – 15:00	Special Topic-Case Study: Air Force Academy / Air Force Technical Academy, Tatoi	Ministry of Defence	Practicum
	Monday 9/7/2018	12:00 – 17:00 Lunch 14:00 – 15:00	Flight Performance and Planning	HAEC	Class-Room: 512
4	Wednesday 11/7/2018	09:00 – 18:00 Lunch 13:00	Special Topic-Case Study: General Aviation, Megara Airport	Global Aviation S.A.	Examination
5	Friday 13/7/2018	12:00 – 14:00	Graduation	HAEC	Class - 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: Complete Flight Plan	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.