



Experimental Aerodynamics

AE 443

CHAPTER 0

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Course Objectives and Syllabus

by

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Instructor

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Lecture webpage:

<http://www1.gantep.edu.tr/~emrekara/index.php/ae443/>



FIRST OF ALL TO ATTEND AE 443 EXPERIMENTAL AERODYNAMICS

Minimum requirement to become an AE 443 student is:

- To take and **pass** AE204 Fluid Mechanics and AE305 Aerodynamics I in the previous semesters.
- **AE204 and AE305 GRADES OF FF/FD ARE NOT ACCEPTABLE. IF SO, PLEASE DROP THE COURSE.**

Course Information



Class Hours

MONDAY

13:30-16:00

(UM1)

3-0 Credit





Course Information

The course will be held in the UM1 classroom in the aircraft assembly shop.

The content includes lectures in the classroom and experiments in the aerodynamics laboratory, fluid dynamics laboratory and the wind tunnel.

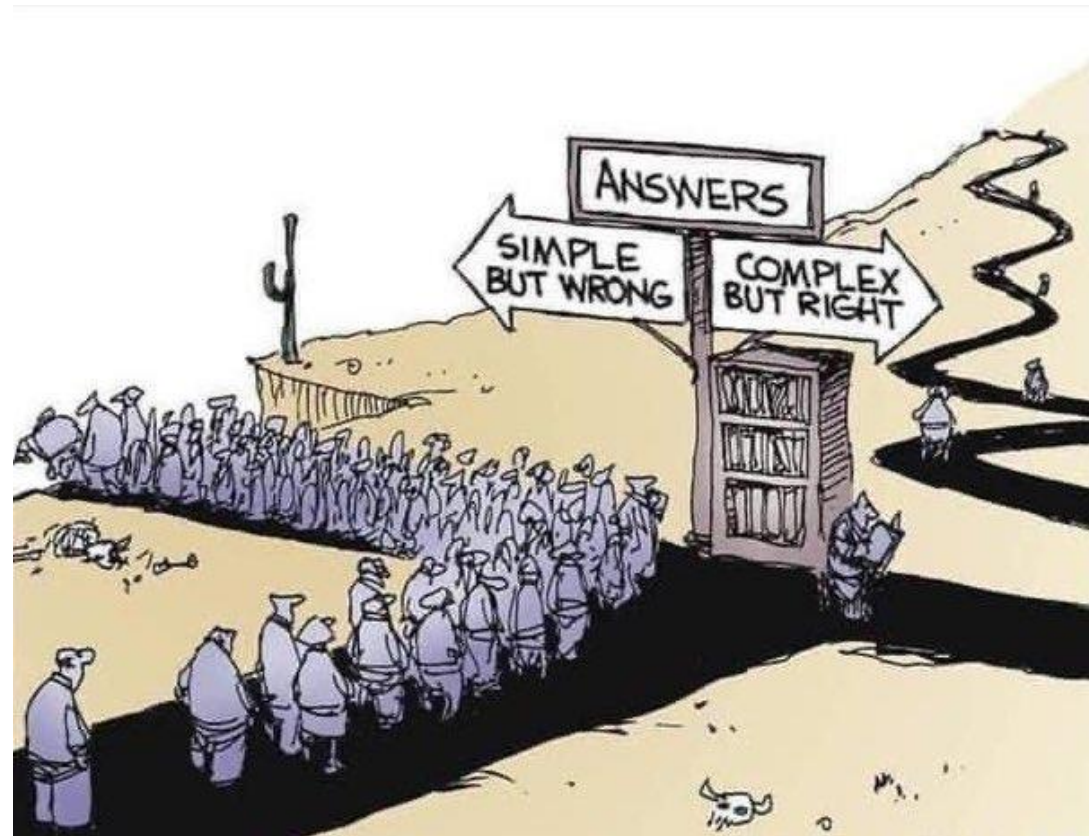


Teaching Policy

- The course teaching policy involves lectures, laboratory works, lab reports , two midterms and a final.

Assessment (LOOK OUT !)

- Attendance
- Labs
- Examinations
- Final Grades





Assessment (LOOK OUT !)

- Attendance:

In case you have to miss a class, **you are responsible for keeping up** with the class work and being informed of all announcements made in the class concerning tests, reports etc.

In the event of a student's class attendance falling below 70 percent, they will be designated as 'NA' (Not Attending). **This policy is not subject to exception.**

There will be no makeups for lab reports.

If you encounter difficulties of any kind, feel free to come and see me in my office hours.



Assessment (LOOK OUT !)

- Labs:
 - Our class starts at 13.30 on Monday afternoon.
 - When the class is over, we will move to the lab.
 - There will be 7 experiments during the semester. At the end of each lecture, the next week's experiment sheet will be shared with students to work prior to the experiment.
 - Students are asked to submit their reports in groups of 3 or 4 (depending on the availability) until 5 pm on the same Friday.



Assessment (LOOK OUT !)

- Examinations:

- **Midterms & Final:**

All exams (including final) will be only open-lecture-notes (presentations will be shared every week at the end of the lecture) type classic exam.

One week before the midterms, there will be «midterm practice» sessions in which the instructor will tutor a similar exam to each midterms.



Assessment (LOOK OUT !)

- Final Grades:

Lab Reports	20	%
Midterm 1	20	%
Midterm 2	20	%
Final	40	%
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Total	100	%

Tentative Schedule



Lecture	Lecture Title	Class
Week-1	Chapter-0: Course Objectives and Syllabus	UM1
Week-2	Chapter 1: Introduction	UM1
Week-3	Chapter 2 - LAB 1	UM1
Week-4	Chapter 2 - LAB 2	UM1
Week-5	Chapter 3 - LAB 3	UM1
Week-6	Ramazan Bayramı (Holiday)	UM1
Week-7	Practice session for midterm-1	UM1
Week-8	Midterm-1: Apr, 14th 2025, Monday at 14.00	UM1
Week-9	Chapter 4 - LAB 4	UM1
Week-10	Chapter 4 - LAB 5	UM1
Week-11	Chapter 5 - LAB 6	UM1
Week-12	Chapter 5 - LAB 7	UM1
Week-13	19 Mayıs (Holiday)	UM1
Week-14	Practice session for midterm-2	UM1
Week-15	Midterm-2: Jun, 2nd 2025, Monday at 14.00	UM1
Week-16	Kurban Bayramı (Holiday)	UM1



We will continue with Chapter-1: Introduction in the next lecture.