



SD2620 Advanced Topics in Aeronautics 6.0 credits

Flygteknik, fortsättningskurs

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

The compulsory courses in the aeronautical program or permission from the coordinator.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Since the content of the course varies, no specific learning objectives are stated. The topic and more detailed objectives will be presented in due time.

The **overall objectives** with the course are that you should:

- have **deepened** your knowledge in a state-of-the-art topic in aeronautics or alternatively, have **broadened** your knowledge in aeronautics.
- be able to **describe** current problems and methods in an aeronautical topic that is close to industrial application and/or the research frontier.

Course contents

The course will give you opportunity to deepen or broaden your knowledge beyond what is treated in the compulsory courses in the aeronautical program. The choice of topic will mainly depend on what the teachers consider to be relevant, but also depends on your requests. Some year the course can treat a topic that is not covered in the other courses, such as aeroacoustics. Another year, an advanced course in aeroelasticity can be given. The method of working will also vary. Some year a project is launched, another year a course based on lectures is given.

Course literature

Will be announced at the first lecture due to the character of the course.

Examination

- PRO1 - Project, 6.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Project assignment (PRO1; 6 university credits)

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.

- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.