

# Aircraft Conceptual Design - Project Course

Programme course

6 credits

Aircraft Conceptual Design - Project Course

TMAL06

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Mechanical  
Engineering and Design

**Date determined**

2017-01-25

## Main field of study

Aeronautical Engineering, Mechanical Engineering

## Course level

Second cycle

## Advancement level

A1X

## Course offered for

- Mechanical Engineering, M Sc in Engineering

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Aircraft and vehicle design, Aircraft conceptual design, Aerodynamics, Flight Mechanics

## Intended learning outcomes

The purpose of the course is to provide engineering students with good understanding of aircraft design and the role of knowledge based engineering, so that a good overall picture is obtained and a sound engineering approach to developing new designs linked to industrial operations is developed, through experience of a realistic design project

## Course content

Aircraft conceptual design, Knowledge based engineering for aircraft conceptual design.

## Teaching and working methods

Instruction is carried out in the form of lectures, and project work

## Examination

PRA1      Project assignment      6 credits      U, G

Grades are given as 'Fail' or 'Pass'

## Grades

Two-grade scale, U, G

## Department

Institutionen för ekonomisk och industriell utveckling

## Director of Studies or equivalent

Peter Hallberg

## Examiner

David Lundström

## Course website and other links

## Education components

Preliminary scheduled hours: 48 h

Recommended self-study hours: 112 h

## Course literature

Compendium in Airframe Design

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).