

# Calculus in Several Variables

Programme course

6 credits

Flervariabelanalys

TATA69

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Mechanical  
Engineering and Design

**Date determined**

2017-01-25

## Main field of study

Mathematics, Applied Mathematics

## Course level

First cycle

## Advancement level

G1X

## Course offered for

- Design and Product Development, M Sc in Engineering
- Energy-Environment-Management M Sc in Engineering
- Mechanical Engineering, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering
- Industrial Engineering and Management - International, 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

Linear algebra and Calculus



## Department

Matematiska institutionen

## Director of Studies or equivalent

Jesper Thorén

## Examiner

Göran Bergqvist (I,Ii) Hans Lundmark (DPU,EMM,M)

## Course website and other links

## Education components

Preliminary scheduled hours: 64 h

Recommended self-study hours: 96 h

## Course literature

### Additional literature

#### Books

Persson, A, Böiers, L-C, (2005) *Analys i flera variabler* Studentlitteratur, Lund

#### Other

*Problemsamling utgiven av matematiska institutionen*

## 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).