**Course syllabus**

**Projekt i tillämpad matematik**  
**Project in Applied Mathematics**

**FMAN40, 3 credits, A (Second Cycle)**

Valid for: 2018/19  
Decided by: PLED F/Pi  
Date of Decision: 2018-03-23

**General Information**

Elective for: BME4, C4, D4-bg, E4, F4, Pi4  
Language of instruction: The course will be given in English on demand

**Aim**

The aim of the course is to give the engineering student who is interested in mathematics the opportunity to independently extend his or her knowledge of mathematics as well as to give practice in written and oral communication.

**Learning outcomes**

*Knowledge and understanding*
For a passing grade the student must

be able to account for the mathematics within the chosen project in detail.

*Competences and skills*
For a passing grade the student must

- be able to reasonably independently, through literature study, acquire new mathematical knowledge at a level corresponding to advanced courses at LTH.  
- be able to account for the results of a mathematical study through a written report.

**Contents**

A continuation in the form of a small project of for example one of the courses Computer Vision, Image Analysis, and Medical Image Analysis.
Examination details

Grading scale: UG - (U,G) - (Fail, Pass)
Assessment: Approved project report and oral presentation, singly or in pair. Acting as opponent on another report.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

Admission requirements:

• Participation in one of the courses FMAN55, FMAN85, FMAN20 or FMAN25.

Required prior knowledge: Depending on the choice of subject.
The number of participants is limited to: No
The course overlaps following course/s: FMA175, FMA272

Reading list

• Depending on the subject of the project. Will be provided by the department, possibly as a loan.

Contact and other information

Course coordinator: Studierektor Anders Holst, Studierektor@math.lth.se
Course homepage: http://www.maths.lth.se/course/applmathproj/