MEK3200

Mandatory assignment 1 of 1

Submission deadline

Thursday 15th February 2018, 14:30 at Devilry (https://devilry.ifi.uio.no).

Instructions

You can choose between scanning handwritten notes or typing the solution directly on a computer (for instance with LaTeX). The assignment must be submitted as a single PDF file. Scanned pages must be clearly legible. The submission must contain your name, course and assignment number.

It is expected that you give a clear presentation with all necessary explanations. Remember to include all relevant plots and figures. Students who fail the assignment, but have made a genuine effort at solving the exercises, are given a second attempt at revising their answers. All aids, including collaboration, are allowed, but the submission must be written by you and reflect your understanding of the subject. If we doubt that you have understood the content you have handed in, we may request that you give an oral account.

In exercises where you are asked to write a computer program, you need to hand in the code along with the rest of the assignment. It is important that the submitted program contains a trial run, so that it is easy to see the result of the code.

Application for postponed delivery

If you need to apply for a postponement of the submission deadline due to illness or other reasons, you have to contact the Student Administration at the Department of Mathematics (e-mail: studieinfo@math.uio.no) well before the deadline.

All mandatory assignments in this course must be approved in the same semester, before you are allowed to take the final examination.

Complete guidelines about delivery of mandatory assignments:

uio.no/english/studies/admin/compulsory-activities/mn-math-mandatory.html

GOOD LUCK!

Goals of learning

- Practice in systemizing and presenting your mathematical knowledge.

- Practice in LaTeX, including reference management and citation.

Written assignment

Choose a theorem you find especially important and interesting and write a 2-3 pages long mathematical text about the theorem.

The assignment should be:

- Written in LaTeX

- A4 paper

- 2-3 pages long

- Must contain the following

    - Title
    - Author
    - Abstract
    - Introduction
    - A theorem
    - Proof (not necessarily complete)
    - An application or example
    - Cross references
    - References in the text in a chosen style
    - List of references in a chosen style

Please send the assignment to karoline.moe@ub.uio.no and upload your file on Devilry (https://devilry.ifi.uio.no).

Oral presentation

Present the assignment, or a detail from the assignment in class.

Time: 5 - 8 minutes

Tools: Chalk and blackboard

The presentations will take place during exercise sessions in March. You will be notified of the exact date of your presentation.

One week before your presentation you must send a short e-mail to karoline.moe@ub.uio.no where you explain what you expect from your presentation.

You will get feedback on your oral presentation and are expected to give feedback to your peers.