

20th January, 2022

MAT2000 MEK3200 STK-MAT2011

Mandatory assignment 1

Submission deadline

Thursday 3rd March 2022, 14:30 in Canvas (canvas.uio.no).

Instructions

Note that you have **one attempt** to pass the assignment. This means that there are no second attempts.

The mandatory assignment must be typeset in \LaTeX and submitted as a single PDF file in Canvas before the deadline. The submission must contain your name, course code and name of supervisor.

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) no later than the same day as 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 presenting mathematical knowledge in a scientific way.
- Practice in L^AT_EX.

Instructions for the written assignment

In cooperation with your supervisor, choose a topic or result that you start out with in your project work and write 2–3 pages about this topic or result.

The written part of the mandatory assignment is expected to be written as a scientific paper, including an abstract, introduction and necessary background and notation. It is expected that you give a clear presentation with all necessary explanations. Remember to include all relevant plots and figures.

All aids, including collaboration, are allowed, but the submission must be written by you and reflect your understanding of the subject.

Parts of the mandatory assignment may be reused in the final project.

Formal requirements for the written assignment

The assignment must be:

- Written in L^AT_EX
- 2–3 pages

The assignment must contain the following:

- Title
- Abstract
- Introduction
- The chosen topic or result
- A picture, illustration, figure, graph or table
- Clickable cross references
- Clickable citations and references in the text in a chosen style
- Bibliography in a chosen style