

21<sup>st</sup> January, 2025

# MAT2000 STK-MAT2011

## Mandatory assignment 1

### **Submission deadline**

Thursday 20<sup>th</sup> February 2025, 14:30 in Canvas ([canvas.uio.no](https://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 L<sup>A</sup>T<sub>E</sub>X 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 your respective course responsible, Kris Shaw or Gudmund Hermansen, 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:**

[ui.no/english/studies/admin/compulsory-activities/mn-math-mandatory.html](https://www.uio.no/english/studies/admin/compulsory-activities/mn-math-mandatory.html)

GOOD LUCK!

## **Goals of learning**

- Practice in presenting mathematical results in a scientific way.
- Practice in L<sup>A</sup>T<sub>E</sub>X.

## **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 at most 2–3 pages (not including frontpage) 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, and with proper citations accompanied by a reference list. It is expected that you give a clear presentation with all necessary explanations. Remember to include relevant plots and figures.

The submission must be written by you and reflect your understanding of the subject. Your project is by definition yellow data in UiOs guidelines for classification of data, and must be treated accordingly. Moreover, your mandatory assignment must follow the general UiO rules for academic texts, with the exception that parts of the mandatory assignment may be reused without citation in the final project.

## **Formal requirements for the written assignment**

The assignment must be:

- Written in L<sup>A</sup>T<sub>E</sub>X
- 2–3 pages (not including frontpage)

The assignment must be based on the UiO template for Bachelor's theses and contain the following:

- Title
- Abstract
- Introduction
- The chosen topic or result presented in a numbered environment
- Mathematical notation
- A picture, illustration, figure, graph or table with caption
- Clickable cross references
- Clickable citations and references in the text in a chosen style
- Bibliography in a chosen style
- A very short plan for the project