

16<sup>th</sup> January, 2019

# STK-MAT2011 — Project Work

## Mandatory assignment 1 of 1

### Instructions

The mandatory assignment consists of two parts: a written part and an oral presentation.

The written part of the assignment must be typeset in L<sup>A</sup>T<sub>E</sub>X and submitted as a single PDF file. The submission must contain your name, course code and name of supervisor.

The oral presentation will take place during Lecture/Exercise sessions in February and March, in groups of 5–8 students.

Students who fail a part of the assignment, but have made a genuine effort, are given a second attempt.

### Submission deadline

Thursday 14<sup>th</sup> February 2019, 14:30 at Devilry (<https://devilry.ifi.uio.no>).

### Presentation date

The exact date of your presentation will be announced on the course web page and via e-mail.

### Application for postponed delivery

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

### Complete guidelines about delivery of mandatory assignments:

[uio.no/english/studies/admin/compulsory-activities/mn-math-mandatory.html](https://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 L<sup>A</sup>T<sub>E</sub>X, including reference management and citation.

### Written assignment

In cooperation with your supervisor, choose a topic or result that will be essential in your project work and write 2–3 pages about this 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 should be:

- Written in L<sup>A</sup>T<sub>E</sub>X
- 2–3 pages (A4, font size 11)

The assignment must contain the following:

- Title
- Abstract
- Introduction
- The chosen topic or result
- Clickable cross references
- Clickable citations and references in the text in a chosen style
- Bibliography in a chosen style

### Oral presentation

Present the result you have chosen, or a detail from the result, to a group of fellow students. You will get feedback on your oral presentation and are expected to give feedback to your peers.

**Time:** 5–8 minutes

**Tools:** Chalk and blackboard / Digital slides