

# MAT3440

## Mandatory assignment

### Submission deadline

Thursday 20<sup>th</sup> MARCH 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. On the other hand the requirements to pass are VERY low this year. The purpose of the assignment is mainly to give students an opportunity to get feedback on their writing.

You can choose between scanning handwritten notes or typing the solution directly on a computer (for instance with L<sup>A</sup>T<sub>E</sub>X). 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. All aids, including collaboration, are allowed, but the submission should be written by you and reflect your understanding of the subject.

### Application for postponed delivery

If you need to apply for a postponement of the submission deadline you have to contact either the lecturer (e-mail: [snorrec@math.uio.no](mailto:snorrec@math.uio.no)) or, in case of illness with medical certificate, the Student Administration at the Department of Mathematics (e-mail: [studieinfo@math.uio.no](mailto: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](https://uio.no/english/studies/admin/compulsory-activities/mn-math-mandatory.html)

GOOD LUCK!

All exercises are taken from the course book and have been previously given as part of the bi-weekly exercises.

**Exercise 1.** There is one exercise per chapter:

- 1.15
- 2.7
- 3.7
- 4.3
- 5.13
- 6.7
- 7.7