Notes on the Exam

The exam will be held on Thursday, 27 January 2022.

1.30 PM – 4.30 PM
(with 30 minutes extra time for selected students)

You should have registered via Osiris (check Osiris if the registration went correctly).

Bring your campus card, exam ticket and valid ID to the exam.

You are allowed to bring

- a calculator and
- a one page formula sheet (can be two sided) which is in your handwriting (and does not need a magnifying glass to read). Hand drawn figures are allowed also.

Notation and sign conventions

In the exam the notation and sign conventions of the reader and the book have been adopted. You are supposed to be familiar with these conventions and to adopt them.

Topics covered in the exam

1. Theory (and its application) of plates loaded in-plane
2. Theory (and its application) of (thick and thin) plates loaded perpendicular to their planes
3. Discrete models for membrane and plate bending analysis
4. FEM for membrane and plate bending analysis
5. Reinforcement design/verification using linear analysis

Course material

- Reader “Plate analysis, theory and applications” (Volume 1 and 2).
- Book “Plates and FEM” (specifically, Chapter 16).

Representative exams

Old exams (up to April 2015) will not be representative for the upcoming exam,

neither will be the exams of January and April 2021 (which were proctored online exams).

Representative exams (from Jan 2016 and onwards) + brief (!) answers are in Brightspace. Usually, you are supposed to provide longer answers.

Overall grade from 3 partial grades

Final grade = 0.8 Exam + 0.1 Assignment1 + 0.1 Assignment2.
All “out of 10”
The final grade is rounded to the nearest half.

Exam: with a possible retake on Friday 8 April 2021 (verify the latest information in Osiris)
Assignments: No retakes possible. Results of 2021/2022 are valid only in combination with the exams of January 2022 and April 2022.

All partial grades in Brightspace. Final grade in Osiris

NOTE: So we are assuming that we will have a "normal" written exam on campus in January. For obvious reasons, we cannot guarantee this. We will correspond any changes via Brightspace.