

# Advanced mathematics for civil engineers

## I. semester 2020/21

Neptun code: BMETE90MX33

Lecturer: Dr. Balázs Bárány

Tutor: Dr. József Mala

According to the Dean's instructions, both of the lecture and the practical course will be held online via Teams. Both the lectures and the practical course have its own Teams group to which the students are obliged to join. The group codes will be sent out via Neptun.

### Midterm test:

There is one midterm test during the semester, which is 45 minutes long. It takes place on **02<sup>th</sup> of November (9<sup>th</sup> week)**, during the lecture.

The maximal score that one can get on the test is 60 points.

If someone failed on the midterm test or wants to increase the score, there will be one extra midterm test on **23<sup>rd</sup> of November (12<sup>th</sup> week)**, during the lecture. I draw your attention that it is possible to decrease the score on the extra midterm test. That is, we consider only the score of the test, which was the latest written.

There will be an extra test during the week **14<sup>th</sup>-18<sup>th</sup> of December** for those, who failed to get the signature for the semester (under special procedure fee). We advertise the exact time and place later.

### Criteria for exam:

The criterion for the exam is the signature for the semester. Those students can get the signature for the semester, who had at least 30% (i.e. 18 points) score on the midterm test.

### Written exam:

During the examination period there will be written exams. On a written exam the maximal score is 90 points. The minimum amount of points, which is required for a successful exam is 40% (36 points). The exam of the students, who couldn't achieve 36 points, is considered automatically inadequate.

For the midterm test and written exams, bring a prepared in advance *cover* made of A3 paper; with A4 *interior pages* (for work); *photo ID* (ID card, passport, student card, driving license etc.); *stationery* (pen etc.); *the formula collection* which can be downloaded from the webpage; and a *basic calculator* (which is capable for the four basic operations (+, -, \*, /) and for evaluation of elementary functions. It is forbidden to use calculators, which capable for matrix operations, integration and derivatives of functions, programmable or can connect to the internet.) During both the midterm test and exam it is strictly prohibited to communicate with each other or with an external person.

The final grade is given by the sum of the midterm test and written exam score as follows:

- 74 fail (elégtelen (1))

75 - 89 pass (elégséges (2))

90 - 104 satisfactory (közepes (3))

105 - 124 good (jó (4))

125 - 150 excellent (jeles (5))

**Criteria under online teaching and examination:**

Under the extraordinary circumstances of mandatory online teaching and examination, every student may be requested to defend their midterm and exam tests orally via Teams. The students who are requested to do so will be informed in one week after the test and the oral presentation will be held in two weeks after the test.

4<sup>th</sup> of September 2020.