

Construction Information Technology

Mathematics

I. semester 2024/25

Neptun code: BMETE90MX63

Lecturer: Balázs Bárány

Attendance requirements:

In order to get the signature for the course, it is obligatory to participate on at least 75% of the practical course (There are 14 lessons during this semester, at most 4 of them could be missed.)

Midterm test:

There is one midterm test during the semester. It is 45 minutes long and takes place during the lecture on the 14th of October (the 7th week). The test contains three exercises, each worth 20 points, and the student may choose *two* of them to solve. Hence, the maximum score that one can get on the test is 40 points.

If someone fails the midterm test or wants to increase their score, there will be one extra midterm test on the 11th of November (the 11th week). We will advertise the exact time and place later. I draw your attention to the fact that it is possible to decrease the score on the extra midterm test. That is, we consider only the test score, which was written at the latest.

Criteria for the exam:

The exam criterion is the signature for the semester. Only students who scored at least 30% (i.e., 12 points) on the midterm test can get their signature for the semester.

Written exam:

During the examination period, there will be written exams. The exam will contain six exercises, each worth 15 points, and the student may choose four of them to solve. Thus, the maximal score on the written exam is 60 points. The minimum number of points required for a successful exam is 40% (24 points). The exam of the students who could not achieve 24 points is considered automatically inadequate.

For the midterm test and written exams, bring seven A4 papers (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 are capable of matrix operations, integration, and derivatives of functions and are 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:

- 49	fail	(elégtelen (1))
50 - 59	pass	(elégséges (2))
60 - 69	satisfactory	(közepes (3))
70 - 84	good	(jó (4))
85 - 100	excellent	(jeles (5))

29th of August 2024.