Subject requirements
Probability Theory 2
2018/19 II. Semester

Code: BMETE95AM30 **Curriculum:** 3/1/0/V/4

Semester: 2017/18/2 **Language:** English

Instructor: Balázs Bárány

Attendance requirements. Only those students can get a signature who attended at least 70% of the classes in theory and practice (that is at least 10 occasions). The presence will be inspected every time.

Midterm requirements: During the semester, there will be homework exercises on a weekly basis (13 occasions), on which together 40 points can be gained. For homeworks submitted after the deadline but in two days, the received points will be decreased by 30%. Homeworks submitted later than the deadline +two days can be accepted only in a very justifiable case.

There will be two 45 minutes midterm tests during the semester, where altogether 30-30 points can be gained.

1. Midterm 6th week (12th March).
2. Midterm. 13th week (7th May).

Conditions for obtaining the signature – over the attendance requirements – are that the student must achieve at least 30% of the obtainable points on the midterm tests (9-9 points) and on the homeworks (12 points).

Supplementary and correction possibilities: During the semester every midterm test can be make up (the first on the 9th week, the second on the 14th week). In this case, the result of the make-up test replaces the result of the original (even if it has worse result). There will be an extra test during the week 20th -24th May for those, who failed to get the signature for the semester (under special procedure fee). In this case, the student gains the minimum amount of obtainable points (21 points). We advertise the exact time and place later.

Exam: The subject ends with an exam mark. Only those students can attend on the exam, who got the signature. The exam is oral examination on the topic of the theoretical part. Students can gain on the exam 100 points. The minimum amount of score, which is required for a successful exam, is 40%. The exam of the students, who could not achieve 40%, is considered automatically inadequate.

The final mark is based on the sum of points of the homeworks, midterm test, and the performance on the exam (200 points). The final degree is given by the final score p as follows:

$$
\begin{aligned}
&0 \leq p <\ 79 \quad \text{fail} && \text{(elégtelen (1))}, \\
&80 \leq p < 109 \quad \text{pass} && \text{(elégséges (2))}, \\
&110 \leq p < 139 \quad \text{satisfactory} && \text{(közepes (3))}, \\
&140 \leq p < 169 \quad \text{good} && \text{(jó (4))}, \\
&170 \leq p \quad \text{excellent} && \text{(jeles (5))}.
\end{aligned}
$$

Recommended textbook:

Richard Durrett: Probability Theory with Examples. (4th edition, Cambridge U. Press, 2010)

Budapest, 30th January 2019.

Balázs Bárány

Instructor