

BME FAC. OF ARCHITECTURE DEPT. OF MECHANICS MATERIALS & STRUCTURES	
Subject: <b>STATICS</b>	Year: 2017-18-02
Code: BMEEPSTA201	Credit: 4
Lecturer: <b>Dr Péter Várkonyi</b>	Practical teacher: <b>Rita Vajk</b>

## CONDITIONS OF FULFILMENT

<b>COURSE CONTENT</b>	Statics deals with the principles of equilibrium of 2D and 3D structures (simple structures and composite structures) and trusses. In this course the principle of internal forces and internal moments are also discussed. The aim of this course is to study and practice the theoretical correlations and to show examples for the use of the theory in engineering practice.
<b>EXPECTED PRIOR KNOWLEDGE</b>	We build upon the curriculum of the Introduction to structural design course
<b>PRESENCE</b>	<ul style="list-style-type: none"> <li>• Presence at all lectures is recommended.</li> <li>• Presence at practical classes is mandatory and will be checked.</li> </ul>
<b>MIDSEMESTER TASKS</b>	<ul style="list-style-type: none"> <li>• <b>2 tests</b> are done in class and are classified by <b>0-120 points</b>. 0 point in case of absence. No questions, study aids or mobile phones (not even as calculator) are allowed; pencil and calculator are required. <b>Both tests</b> can be rewritten <b>once</b> at the end of the semester.</li> <li>• <b>Homework (HW)</b> is given weekly on Piazza, each worth 2 points. Submission and acceptance of homework is not obligatory, but it is highly suggested.</li> </ul>
<b>MINIMUM MIDSEMESTER REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>• You need to <b>attend more than 70%</b> of practical classes</li> <li>• Both tests should be over 60 points</li> <li>• Homework is optional, its result does not modify the mid-semester requirements, it improves the final mark</li> </ul>
<b>PARTICIPATION AT THE EXAMINATIONS</b>	<ul style="list-style-type: none"> <li>• To participate at the examination, you need to have a mid-semester signature obtained within 3 years</li> <li>• You have to register for the exam in Neptun (see Neptun for exam dates and registration deadlines).</li> <li>• Classrooms and seat numbers for the exam are displayed on the day of the exam at the main entrance of the department (Do not go to classrooms given by Neptun. They may be wrong!)</li> <li>• The exam has two parts, 90 minutes each and it consists of practical exercises and theoretical questions.</li> <li>• A photo ID (identity will be checked), a calculator and a pencil are required. Telecommunication devices (e.g. mobile phones) or any type of study aid are not allowed.</li> <li>• Those who do not attend an exam, but do not cancel their registration, have to pay an extra fee. Those who start writing the exam but do not submit it, will get a 1 mark.</li> </ul>
<b>FINAL MARK</b>	<p>To pass the exam, one needs</p> <ul style="list-style-type: none"> <li>• at least 120 points out of 240 at the exam</li> </ul> <p>Total score for the subject will be calculated from the sum of semester scores (max 240 points or max 260 points with homework) and exam scores (min 120 points and max 240 points).</p> <p>The mark for the subject is based on the total score:</p> <ul style="list-style-type: none"> <li>• 2 for 240-289 points;</li> <li>• 3 for 290-339 points;</li> <li>• 4 for 340-389 points;</li> <li>• 5 for 390-480 points.</li> </ul> <p>The rules of repeating exams are given by university regulations.</p>

## OTHER INFORMATION

<b>CONTACT</b>	Teachers are available during their office hours. Communication by email is also encouraged: vpeter@mit.bme.hu, vajkrita@szt.bme.hu. During the course we use the online Q&A platform <i>piazza</i> (piazza.com). For enrolment send an email to vajkrita@szt.bme.hu include your name, email address and course. (During registration you will receive an activation code.)
<b>STUDY AIDS</b>	<b>Lecture notes</b> (Gimesy & Laki) and a <b>collection of examples</b> (Körössi & Laki) are available at the copy room of the department. Practice examples on piazza.com are available.