

BUTE, Faculty of Architecture	Dept. of Mechanics, Materials, and Structures
Title: Introduction to structural design code: BMEEPSTA101	Lecturer: Péter Várkonyi Teaching assistant: Krisztina Tóth

SCHEDULE 2016/2017 FALL

NO OF WEEK date	CLASS: Tuesday 10.15 – 12.00, K391
1. Sept.6.	Introduction, vectors
2. Sept.13.	Equilibrium of a point mass in plane
3. Sept. 20.	TEST 1 (vectors, equilibrium of a point mass) Equilibrium of a planar body in plane
4. Sept. 27.	Constraints, supports
5. Oct. 4.	Resultant of forces; centroid
6. Oct. 11.	Resultant of forces; centroid continued Equilibrium of simple structures
7. Oct. 18.	Equilibrium of complex structures
8. Oct. 25.	TEST 2 (equilibrium of a planar body) Three-hinged structure
9. Nov. 1.	holiday: All Saints
10. Nov. 08.	Statical determinacy
11. Nov. 15.	Global equilibrium of structures- toppling, slipping Linear superposition
12. Nov. 22.	Loads
13. Nov. 29.	TEST 3 (support and joint reactions of statically determinate structures) -
14. Dec. 6.	-
15. Dec. 14.	-

TESTS: are written between 10.15 and 11.00. They are followed by a regular class at 11.15-12.00.

STUDY AID: lecture notes at website of department

REQUIREMENTS 2015/2016 FALL

PRELIMINARY CONDITIONS	Registration for the subject in Neptun
LECTURES	Presence is not obligatory but strongly advised. Compensation for missed activities is the sole responsibility of the students. The students should take notes on lectures.
TESTS	<p>There are three 45 min. closed book tests for 120 points each. Missed tests earn zero point. None of the three tests may be repeated even in the case of justified absence.</p> <p>The average of the best 2 tests should be at least 60 points (out of maximum 120) for subscription.</p> <p>Extra points serve to encourage the participation of all students at test 3. Extra points are earned by those who write 3 tests and the third one is above 60 points. They are calculated as</p> $\left[\begin{array}{c} \text{extra} \\ \text{points} \end{array} \right] = 10 + \left[\begin{array}{c} \text{score of} \\ \text{weakest test} \end{array} - 60 \right] / 6$
EXAMINATION	<p>EXAM:</p> <ul style="list-style-type: none"> - Photo ID, pencil and calculator are needed - It lasts 90 minutes and it is marked by max. 120 points. <p>RESULT:</p> <p>The exam is passed if</p> <ul style="list-style-type: none"> - the exam points are at least 60 out of 120 and - marks are based on the sum of test average+extra points+exam result as follows: <ul style="list-style-type: none"> - 0-119 : 1 (fail) - 120-149: 2 - 150-169: 3 - 170-199: 4 - 200-240: 5
EXAM DATES	will be announced later. Subscribe or unsubscribe for the exam in Neptun.