

# Structural Analysis I.

BSc course

BMEEOTMAT43

Schedule

2021-2022. 1st semester

Week	+/#	Date	Room	Topic
1	+	Mon 6 Sep	KF99	Principle of small displacements. Displacements of rigid body systems.
		Tue 7 Sep	KF88	Displacements of statically determinate structures (equivalency of displacements).
2	#	Mon 13 Sep	KF99	Displacements of statically determinate structures (equivalency of displacements).
		Tue 14 Sep	KF88	Virtual force systems, virtual complementary work, theorem of virtual forces.
3	+	Mon 20 Sep	KF99	Displacements of statically determinate structures (theorem of virtual forces).
		Tue 21 Sep	KF88	Displacements of statically determinate structures (theorem of virtual forces).
4	#	Mon 27 Sep	KF99	Influence lines of internal forces in statically determinate structures.
		Tue 28 Sep	KF88	Influence lines of internal forces in statically determinate structures.
5	+	Mon 4 Oct	KF99	Influence lines of displacements in statically determinate structures.
		Tue 5 Oct	KF88	Influence lines of displacements in statically determinate structures.
6	#	Mon 11 Oct	KF99	<b>1st test: Displacements of statically determinate structures, influence lines.</b>
		Tue 12 Oct	KF88	Force method for statically indeterminate structures (fix loads).
7	+	Mon 18 Oct	KF99	Force method for statically indeterminate structures (fix loads).
		Tue 18 Oct	KF88	Force method for statically indeterminate structures (fix loads).
8	#	Mon 25 Oct	KF99	Force method for statically indeterminate structures (influence lines).
		Tue 26 Oct	KF88	Force method for statically indeterminate structures (influence lines).
9	+	Mon 1 Nov *	KF99	---
		Tue 2 Nov	KF88	Force method for statically indeterminate structures (influence lines).
10	#	Mon 8 Nov	KF99	<b>2nd test: Force method</b>
		Tue 9 Nov	KF88	Displacement method for statically indeterminate structures.
11	+	Mon 15 Nov	KF99	Displacement method for statically indeterminate structures.
		Tue 16 Nov #	KF88	---
12	#	Mon 22 Nov	KF99	Displacement method for statically indeterminate structures.
		Tue 23 Nov	KF88	Displacement method for statically indeterminate structures.
13	+	Mon 29 Nov	KF99	Displacement method for statically indeterminate structures.
		Tue 30 Nov	KF88	<b>3rd test: Displacement method</b>
14	#	Mon 6 Dec	KF99	Most unfavourable loadings on beams.
		Tue 9 Dec	KF88	Envelope curves of internal forces.

\* Cancelled due to All Saints. # Cancelled due to TDK.

Budapest, 2 August 2021.

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