

# Structural Analysis I.

BSc course

BMEEOTMAT43

Schedule

2018-2019. 1st semester

Week	+/#	Date	Room	Topic
1	+	Mon 3 Sep	KM78	Principle of small displacements. Displacements of rigid body systems using small displacements.
		Tue 4 Sep	KM78	Displacements of statically determinate structures (equivalency of displacements).
2	#	Mon 10 Sep	KM78	Displacements of statically determinate structures (equivalency of displacements).
		Tue 11 Sep	KM78	Virtual force systems, virtual complementary work, theorem of virtual forces.
3	+	Mon 17 Sep	KM78	Displacements of statically determinate structures (theorem of virtual forces).
		Tue 18 Sep	KM78	Influence lines of internal forces in statically determinate structures.
4	#	Mon 24 Sep	KM78	Influence lines of internal forces in statically determinate structures.
		Tue 25 Sep	KM78	Influence lines of internal forces in statically determinate structures.
5	+	Mon 1 Oct	KM78	Influence lines of displacements in statically determinate structures.
		Tue 2 Oct	KM78	Influence lines of displacements in statically determinate structures.
6	#	Mon 8 Oct	KM78	<b>1st test: Displacements of statically determinate structures, influence lines.</b>
		Tue 9 Oct	KM78	Force method for statically indeterminate structures (fix loads).
7	+	Mon 15 Oct	KM78	Force method for statically indeterminate structures (fix loads).
		Tue 16 Oct	KM78	Force method for statically indeterminate structures (fix loads).
8	#	Mon 22 Oct *	KM78	---
		Tue 23 Oct #	KM78	---
9	+	Mon 29 Oct	KM78	Force method for statically indeterminate structures (influence lines).
		Tue 30 Oct	KM78	Force method for statically indeterminate structures (influence lines).
10	#	Mon 5 Nov	KM78	Force method for statically indeterminate structures (influence lines).
		Tue 6 Nov	KM78	<b>2nd test: Force method</b>
11	+	Mon 12 Nov	KM78	Displacement method for statically indeterminate structures.
		Tue 13 Nov	KM78	Displacement method for statically indeterminate structures.
12	#	Mon 19 Nov	KM78	Displacement method for statically indeterminate structures.
		Tue 20 Nov	KM78	Displacement method for statically indeterminate structures.
13	+	Mon 26 Nov	KM78	<b>3rd test: Displacement method</b>
		Tue 27 Nov	KM78	Most unfavourable loadings on beams.
14	#	Mon 3 Dec	KM78	Envelope curves of internal forces.
		Tue 4 Dec	KM78	Envelope curves of internal forces.

\* Free day. # National holiday.

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