

# Structural Analysis I.

BSc course  
BMEEOTMAT43  
Schedule  
2021-2022. 2nd semester

Week	+/#	Date		Room	Topic
1	+	Tue	15 Feb	KM78	Principle of small displacements. Displacements of rigid body systems using small displacements.
		Thu	17 Feb	K372	Displacements of statically determinate structures using equivalency of displacements.
2	#	Tue	22 Feb	KM78	Displacements of statically determinate structures using equivalency of displacements.
		Thu	24 Feb	K372	Virtual force systems, virtual complementary work, theorem of virtual forces.
3	+	Tue	1 Mar	KM78	Displacements of statically determinate structures using the theorem of virtual forces.
		Thu	3 Mar	K372	Influence lines of internal forces in statically determinate structures.
4	#	Tue	8 Mar	KM78	Influence lines of internal forces in statically determinate structures.
		Thu	10 Mar	K372	Influence lines of internal forces in statically determinate structures.
5	+	Tue	15 Mar *	KM78	---
		Thu	17 Mar	K372	Influence lines of displacements in statically determinate structures.
6	#	Tue	22 Mar	KM78	<b>1st test: Displacements of statically determinate structures, influence lines.</b>
		Thu	24 Mar	K372	Solution of statically indeterminate structures for fix loads using the force method.
7	+	Tue	29 Mar	KM78	Solution of statically indeterminate structures for fix loads using the force method.
		Thu	31 Mar	K372	Solution of statically indeterminate structures for fix loads using the force method.
8	#	Tue	5 Apr	KM78	Solution of statically indeterminate structures for moving loads using the force method: influence lines.
		Thu	7 Apr §	K372	Solution of statically indeterminate structures for moving loads using the force method: influence lines.
9	+	Tue	12 Apr	KM78	Solution of statically indeterminate structures for moving loads using the force method: influence lines.
		Thu	14 Apr †	K372	---
14-20 Apr Easter, Spring break					
10	#	Tue	19 Apr †	KM78	---
		Thu	21 Apr	K372	<b>2nd test: Force method</b>
11	+	Tue	26 Apr	KM78	Solution of statically indeterminate structures for fix loads using the displacement method.
		Thu	28 Apr	K372	Solution of statically indeterminate structures for fix loads using the displacement method.
12	#	Tue	3 May	KM78	Solution of statically indeterminate structures for fix loads using the displacement method.
		Thu	5 May	K372	Solution of statically indeterminate structures for fix loads using the displacement method.
13	+	Tue	10 May	KM78	Solution of statically indeterminate structures for fix loads using the displacement method.
		Thu	12 May	K372	<b>3rd test: Displacement method</b>
14	#	Tue	17 May	KM78	Most unfavourable loadings on beams. Envelope curves of internal forces.
		Thu	19 May	K372	Envelope curves of internal forces.

\* Cancelled due to National Holiday. † Cancelled due to Spring break / Easter.

Budapest, 13 Jan 2022.

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