

Tentative schedule  
Dynamics of Structures (BMEEOTMAS43)

2023-24-1 semester

Week	Date	Topic
1	Sep 06	Mechanical vibration of SDOF-systems: modell, stiffness, mass, damping, DE of motion, free vibration
2	Sep 13	Mechanical vibration of SDOF-systems: free vibration, harmonic forcing
3	Sep 20	Mechanical vibration of SDOF-systems: harmonic forcing, support motion
4	Sep 27	Mechanical vibration of SDOF-systems: general forcing, response spectra. <b>Sep.27. 14:00 – Sep.28. 08:00: 1st Individual assignment</b>
5	Oct 04	Mechanical vibration of MDOF-systems: modell, mass matrix, stiffness matrix, DE of motion
6	Oct 11	Mechanical vibration of MDOF-systems: free vibration, generalized eigenvalue problem, modal analysis <b>Oct.11. 14:00 – Oct.12. 08:00: 2nd Individual assignment</b>
7	Oct 18	<b>Test 1: Mechanical vibration of SDOF-systems, free vibration of MDOF-systems (in the class)</b>
8	Oct 25	Mechanical vibration of MDOF-systems: harmonic forcing, support vibration
9	Nov 01	<i>No class</i>
10	Nov 08	Mechanical vibration of MDOF-systems: examples, free and forced vibration
11	Nov 15	Mechanical vibration of frame structures
12	Nov 22	Mechanical vibration of continua: FE modelling <b>Nov.22. 14:00 – Nov.23. 08:00: 3rd Individual assignment</b>
13	Nov 29	Mechanical vibration of continua: transversal vibration
14	Dec 06	<b>Test 2: Mechanical vibration of MDOF-systems (in the class)</b>
rep. Week	Dec 13	<b>Retake test: Mechanical vibrations (8-10)</b>

Dr. Nemeth Robert

Assoc. Prof., lecturer

Head of Dept.

2023.08.25.