

Tantative schedule
Structural Dynamics (BMEEOTMMN-1)

2024-25-2. semester

Week	Date	Topic	Pages in LN
1	2025.02.10.	Free and forced vibration of SDOF and MDOF systems I.	1-6, 18-24
2	2025.02.17.	Free and forced vibration of SDOF and MDOF systems II.	7-17, 24-38, 172-175
3	2025.02.24.	Free and forced vibration of SDOF and MDOF systems III.	46-72
4	2025.03.03.	Vibration of continuum bars: free vibration, harmonic forcing	46-72
5	2025.03.10.	Vibration of continuum bars: moving loads 03.10. 14:00 – 03.11. 14:00 1st Individual Assignment	72-79
6	2025.03.17.	Vibration analysis of frame structures: dynamic stiffness matrix, exact mass matrix	80-111
7	2025.03.24.	Vibration analysis of frame structures: approximate mass matrices	112-122
8	2025.03.31.	Support vibration: mechanical basis of earthquake analysis 03.31. 14:00 – 04.01. 14:00 2nd Individual Assignment	123-140, 175-188
9	2025.04.07.	04.07. 11:15 – 12:45 1st Mid-term test Damped vibration of SDOF systems	148-155, 200-206
10	2025.04.14.	Damped vibration of MDOF systems, frame structures: proportional damping	148-155, 200-206
SB	2025.04.21.	<i>No class (spring break)</i>	
11	2025.04.28.	Damped vibration of frame structures: rate-independent damping. Elastic support of soil	155-161
12	2025.05.05.	Radiation damping: dynamic support of soil 05.05. 14:00 – 05.06. 14:00 3rd Individual Assignment	161-171
13	2025.05.12.	Basics of aeroelasticity	---
14	2025.05.19.	05.19. 11:15 – 12:45 2nd Mid-term test	---
R-week	2025.05.26.	05.26. 11:15 – 12:45 retake mid-term test	---

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2025.01.25.