

Tentative schedule
Finite Element Modelling (BMEEOTMMB-1)

2024-25-1. semester

Week	Date	Topic
1	09.03.	Statics I.: Forces, reactions, simple structures
2	09.10.	Statics II.: Compound structures, internal forces Assignment 1 announcement
2	09.11.	Statics III.: Internal force diagrams
3	09.17.	<i>No class (Sport day)</i>
4	09.24.	Strength of materials I.: Basics Deadline of Assignment 1
4	09.25.	Strength of materials II.: Stresses in a beam
5	10.01.	Strength of materials III.: Design principles
6	10.08.	Elasticity I.: Stresses
6	10.09.	Elasticity II.: Strains, equilibrium equations
7	10.15.	Elasticity III.: Constitutive equations, energy methods
8	10.22.	Ritz-method
8	10.23.	<i>No class</i>
9	10.29.	Basis functions in FEM
10	11.05.	Midterm test: structural design
10	11.06.	Finite elements of bar in tension/compression
11	11.12.	Finite elements of plane membranes Assignment 2 announcement
12	11.19.	Finite elements of 3D solids
12	11.20.	Finite elements of beams
13	11.26.	Finite elements of plates and shells
14	12.03.	Combination of structural models in FE analysis
14	12.04.	Technical details of solution Deadline of Assignment 2
rep.week	12.10.	××

2023.08.25.

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