

STRUCTURAL ANALYSIS II
BMEEOTMAS42
Schedule of Lectures and Practice classes
2018-2019, 1st semester

week	LECTURE		PRACTICE	
	date	Subject	date	Subject
1.	05/09 06/09	Basic equations of Mechanics (bars and beams) Theory of beams. Analytical solutions		
2.	12/09	Analysis of statically undeterminate frames by the matrix displacement method	13/09	The AXIS-VM program. Trusses and frames. 1st HW Frames
3.	19/09 20/09	The matrix displacement method (continued) Computation of grids by Leonhard's method No class (Sports Day)		
4.	26/09	Computation of grids by Leonhard's method Computation of grids	27/09	The AXIS-VM program. Plates and shells
5.	03/10 04/10	Plane problems I. The Airy stress function Plane problems II		
6.	10/10 11/10	Plate problems. The classical theory of plates Navier method for thin plates		
7.	17/10 18/10	Test I The Mindlin plate model. Basics of shell theory		
8.			24/10 25/10	LabTest I. Frames. Deadline of the 1st homework The FEM-Design program. Plates and slabs. The 2nd Homework (plate or slab)..
9.	31/10	The minimum theorem of potential theory. <i>The Ritz method</i>	01/11	No Class
10.	07/11	The Ritz method	08/11	The FEM-Design program. Plates and slabs.
11.	14/11 15/11	No class. TDK day The Ritz method . Basics of FEM.		
12.	21/11	Basics of FEM. Coordinate systems	22/11	The FEM-Design program. Frames.
13.	28/11 29/11	Boundary conditions Modelization of structures		
14.	05/12	Test II.	06/12	LabTest II. Computation of plates and slabs. Deadline of the 2nd homework.

Budapest, September 1st, 2018.

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