

**PLASTICITY**  
**BMEEOTMMN61**  
**Schedule of Lecture and Practice classes**  
**2018-2019, 2<sup>nd</sup> semester**

week	LECTURE and PRACTICE	
	date	Subject
1.	07.02	Introduction. Basic concepts. Material models of plasticity
2.	14.02	Flow and hardening conditions
3.	21.02	Deformation- and incremental theorems of plasticity
4.	28.02	Basic equations of elasto-plastic bodies
5.	07.03	Work and extremum theorems. Extremum theorems of plasticity, Torsion of prismatic bars.
6.	14.03	<b>Test I.</b>
7.	21.03	No Class. Spring Holidays:
8.	28.03	Planar strain and stress state
9.	04.04	Planar strain and stress state
10.	11.04	Plastic load carrying capacity of elasto-plastic bar structures
11.	18.04	Plastic load carrying capacity of elasto-plastic bar structures
12.	25.04	Plastic shakedown analysis. Static and kinematic theorems, application for bar structures.
13.	02.05	Application of mathematical programming in limit state analysis and shakedown analysis.
14.	09.05	Analysis of the state change of elasto-plastic frame structures
15.	16.05	<b>Test II.</b>

Budapest, November 8, 2017.

Dr. Ádány Sándor  
 associate professor,  
 Head of the department

Dr. Lógó János  
 professor  
 lecturer