



УТВЪРЖДАВАМ:

Ръководител катедра „Техническа механика:  
/проф. д-р инж. П. Павлов/

## SCHEDULE (exercises)

SUBJECT: Theoretical Mechanics I

Specialty „Structural Engineering”

Department: Technical Mechanics, Faculty of Hydraulic

Leading lecturer: Prof. Dr. Eng. Peter Pavlov

ACADEMIC CURRICULUM 2021/2022	Total hours			ECTS credits
	Academic Hours		Self-preparation	
	Lectures	Seminars		
Hours:	45	30	75	5

### SCHEDULE – EXERCISES - SE - 1 COURSE - ACADEMIC 2022-2023 YEAR - SUMMER SEMESTER

**LECTURER: prof. Dr. eng. Peter Pavlov**  
**EXERCISES LEADER: prof. Dr. eng. Peter Pavlov**

week	date	ТОПИК	Number of hours:
1	20.02.2023	Kinematics of a particle	2
2	27.02.2023	Kinematics of a body	2
3	06.03.2023	Kinematics of a plane mechanism - velocity analysis.	2
4	13.03.2023	Kinematics of a plane mechanism - acceleration analysis.	2
5	20.03.2023	Kinematics of the complex motion of a particle.	2
6	27.03.2023	Reduction of spatial group of forces	2
7	03.04.2023	Reduction of plane group of forces	2
8	10.04.2023	Statics (rest) of a body loaded with a spatial group of forces	2
9	17.04.2023	Statics (rest) of a body loaded with a plane group of forces	2
10	24.04.2023	Statics (rest) of the Gerber systems.	2
11	01.05.2023	Statics (rest) of the Three-joint systems.	2
12	08.05.2023	Statics (rest) of the Plane systems of rods (trusses)	2
13	13.05.2023	Control work on tasks in Kinematics and Statics.	2
14	22.05.2023	Rest (movement) of bodies in the presence of forces of friction	2
15	29.05.2023	Negotiation and confirmation of the semester.	2

	<b>Total exercises</b>	<b>30</b>
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Note: Lectures on yellow dates will be held at an additional time.

Lecturer:.....  
(prof. Dr. eng. Peter Pavlov)