

Subject card

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Mode of study	Date of commencement of			Academic year of					
Year of study 2 Language of instruction English Semester of study 3 ECTS credits 5.0 Learning profile general academic profile Assessment form exam Conducting unit Department of Theory and Ship Design → Faculty of Mechanical Engineering and Ship Technology Name and surname of lecturer (lecturers) Lesson types and methods of instruction Lesson types and methods of instruction and instruction instruction Lesson types and methods of instruction in	Education level	first-cycle studies		Subject group					
Semester of study 2 Semester of study Semester of study Semester of study Subject supervisor Teachers Subject subject Seminar SUM Subject subject Subject Seminar Subject Subject Subject Seminar Subject Subjec	Mode of study	Full-time studies		Mode of delivery			at the university		
Learning profile Sentence S	Year of study	2		•			English		
Department of Theory and Ship Design -> Faculty of Mechanical Engineering and Ship Technology	Semester of study	3		ECTS credits			5.0		
Name and surname of lecturer (lecturers) Teachers dr in2. Maciej Kahsin	Learning profile	general academic profile		Assessment form			exam		
Subject supervisor dr in 2. Maciej Kahsin	Conducting unit	Department of Theory and Ship Design -> Faculty of Mechanical Engineering and Ship Technology							
Lesson types and methods of instruction Additional Content of Study hours Suman									
Number of study hours E-learning hours included: 0.0 Adresy na platformie le Nauczanie: Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu_pl/moodle/course/view.php?id=20404		Teachers dr inż. Maciej Kahsin							
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Adresy na platformie eNauczanie: Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.gp.dedu.pl/moodle/course/view.php?id=20404 Learning activity and number of study hours Learning activity Participation in didactic classes included in study plan		,	30.0	15.0	0.0	0.0	0.0		45
Technical Mechanics 2 (PG_00049753) - Moodle Dr. 20404 Ittps://enauczanie.pg.edu.p/imoodle/course/view.php?id=20404 Learning activity and number of study hours Learning activity Participation in oldactic classes included in study Number of study hours		E-learning hours included: 0.0							
Course outcome Subject out		Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404							
Nours The aims of lecture is to provide basic knowledge of strength of materials and its exploitation in assessment of structural stress and deformation. Course outcome		classes includ				Self-study SUM		SUM	
Course outcome Subject outcome Method of verification			45		10.0		70.0		125
K6_W04 Student is able to design simple one-dimensional structures. K6_U02 Student is able to proceed with basic 1D problems analyses; concerning strength, and flexibility criterions. SU1] Assessment of task fulfilment	Subject objectives								
One-dimensional structures. knowledge	Learning outcomes			Subject outcome			Method of verification		
basic 1D problems analyses; concerning strength, and flexibility criterions. fulfilment		K6_W04							
inertia, 5) Bending of beams, 6) Beam's line of deflection, 7) Shearing, 8) Torsion, 9) Complex stress – yield criterion, 10) linear buckling of column. Prerequisites and co-requisites Assessment methods and criteria Subject passing criteria Passing threshold Percentage of the final grade 50.0% 50.0% 50.0% Exam 50.0% 50.0% Recommended reading Supplementary literature Passing threshold Percentage of the final grade 50.0% 50.0% Recommended reading Supplementary literature Passing threshold Percentage of the final grade 50.0% 50.0% Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 Example issues/ Passing threshold Percentage of the final grade 50.0% 50.		K6_U02		basic 1D problems analyses; concerning strength, and flexibility					
Assessment methods and criteria Subject passing criteria Passing threshold Percentage of the final grade Tests 50.0% 50.0%	Subject contents	inertia, 5) Bending of beams, 6) Beam's line of deflection, 7) Shearing, 8) Torsion, 9) Complex stress – yield							
and criteria Tests 50.0% 50.0% Exam 50.0% Recommended reading Basic literature Supplementary literature eResources addresses Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 Example issues/ example questions/ tasks being completed Tests 50.0% 50.0% Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 1) Define stress and elongation of axially loaded rod, 2) Find principal moment of inertia, 3) Derive formula for line of beam's deflection, 4) Calculate reduces stress.		Technical Mechanics 2							
Recommended reading Basic literature Supplementary literature eResources addresses Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 Example issues/ example questions/ tasks being completed Discoving 50.0% William Nash: Strength of Materials (any edition) Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 1) Define stress and elongation of axially loaded rod, 2) Find principal moment of inertia, 3) Derive formula for line of beam's deflection, 4) Calculate reduces stress.		Subject passing criteria		Passing threshold			Percentage of the final grade		
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Supplementary literature eResources addresses Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 Example issues/ example questions/ tasks being completed Supplementary literature . Technical Mechanics 2 (PG_00049753) - Moodle ID: 20404 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20404 1) Define stress and elongation of axially loaded rod, 2) Find principal moment of inertia, 3) Derive formula for line of beam's deflection, 4) Calculate reduces stress.		Exam		50.0%		50.0%			
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Work placement Not applicable	example questions/								
	Work placement	Not applicable							

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