



Subject card

Subject name and code	Manufacturing of Composite Hull, PG_00060613						
Field of study	Design and Construction of Yachts						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			6.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Cezary Żrodowski					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	30.0	15.0	75
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM		
	Number of study hours	75	8.0	67.0	150		
Subject objectives	Familiarizing students with the basic principles of composite yacht hull construction technology, which is dominant in the modern yacht industry.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W02] has knowledge in the field of technical mechanics, fluid mechanics, strength of materials, necessary to understand the basic physical phenomena occurring in ocean engineering	The student understands the influence of the technological process on the strength properties of composite hulls.			[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U06] able to perform basic engineering tasks in the field of yacht design, construction and operation according to the formulated specification, using appropriate methods and tools	The student correctly performs the design task covering issues related to the manufacture and operation of the composite hull.			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W06] has well-organised knowledge of engineering methods and design tools enabling the conducting of projects in the field of construction and operation of yachts	The student correctly selects the methods and supporting CAD/CAE tools to solve the given problem in the design and manufacture of a composite hull.			[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects		

<p>Example issues/ example questions/ tasks being completed</p>	<p>Components of the composite hull manufacturing process:</p> <ul style="list-style-type: none"> - digital model - physical model - making and demoulding the mould - preparation of the mold for production (surface, separating layer) - manufacturing of the hull in the selected technology <p>Opportunity to pass the course as part of the KSTO KORAB activity</p>
<p>Practical activities within the subject</p>	<p>Not applicable</p>

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