



Subject card

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|---|--|--|---|-------------------------------------|---------------------------------------|------------|-----|
| Subject name and code | , PG_00056271 | | | | | | |
| Field of study | Design and Construction of Yachts | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | 2024/2025 | | |
| Education level | first-cycle studies | | Subject group | | | | |
| Mode of study | Full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 3 | | Language of instruction | | Polish | | |
| Semester of study | 6 | | ECTS credits | | 2.0 | | |
| Learning profile | practical profile | | Assessment form | | assessment | | |
| Conducting unit | Institute Of Naval Architecture -> Faculty Of Mechanical Engineering And Ship Technology -> Wydział Politechniki Gdańskiej | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Artur Karczewski | | | | |
| | Teachers | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 15.0 | 0.0 | 0.0 | 0.0 | 30 |
| | 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 | 30 | | 3.0 | | 17.0 | 50 |
| Subject objectives | The aim is to familiarize students with modern concepts of ship damage stability assessment, computational methods and formal requirements applicable to various types of ships. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | K6_W03 | | The student has basic knowledge of yacht hydrodynamics. | | [SW1] Assessment of factual knowledge | | |
| | K6_U05 | | The student is able to formulate a simple engineering problem in the field of damage stability. | | [SU1] Assessment of task fulfilment | | |
| | K6_W04 | | The student has basic knowledge of computer sciences. | | [SW1] Assessment of factual knowledge | | |
| | K6_W06 | | The student has knowledge of methods and tools in the field of damage stability. | | [SW1] Assessment of factual knowledge | | |
| Subject contents | <ul style="list-style-type: none">deterministic concept of ship damage stability assessment;probabilistic concept of ship damage stability assessment;assumed mass method and constant volume method for determining stability parameters in a damage condition;regulations specifying damage stability requirements, including the SOLAS Convention and the Stockholm Agreement. | | | | | | |
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods and criteria | Subject passing criteria | | Passing threshold | | Percentage of the final grade | | |
| | Test | | 51.0% | | 100.0% | | |
| Recommended reading | Basic literature | | SOLAS Convention | | | | |
| | | | Stockholm Agreement | | | | |

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| | Supplementary literature | Evangelos Boulougouris, Jakub Cichowicz, Andrzej Jasionowski, Dimitris Konovessis, Improvement of ship stability and safety in damaged condition through operational measures: Challenges and opportunities, Ocean Engineering, Volume 122, 2016, Pages 311-316, https://doi.org/10.1016/j.oceaneng.2016.06.010 . |
| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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