GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | , PG_00056300 | | |
| Field of study | Ocean Engineering | | |
| Date of commencement of studies | October 2021 | Academic year of realisation of subject | 2023/2024 |
| Education level | first-cycle studies | Subject group | Optional subject group<br>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 | 6 | ECTS credits | 3.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Artur Karczewski | |
| | Teachers | dr inż. Tomasz Hinz | |

**Lesson types and methods of instruction**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 15.0 | 0.0 | 0.0 | 30.0 | 0.0 | 45 |

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 | 45 | 5.0 | 25.0 | 75 |

**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_W06] has an organized knowledge on engineering methods and design tools allowing the conducting of projects within the construction and operation of ocean technology objects and systems | The student knows and is able to use the tool within the scope of the subject. | [SW3] Assessment of knowledge contained in written work and projects |
| [K6_K03] understands non-technical aspects and effects of operation as an engineer, its influence on the environment and is aware of the responsibilities for the decisions taken | The student understands various aspects of an engineer's work. | [SK5] Assessment of ability to solve problems that arise in practice<br>[SK2] Assessment of progress of work |
| [K6_U06] in compliance with a formulated specification and with the aid of appropriate tools and methods, is able to complete a simple engineering task within the range of design, construction and operation of ocean technology objects and systems | The student is able to perform simple engineering tasks in the field of ship design. | [SU1] Assessment of task fulfilment |
| [K6_W05] has an organized knowledge on design, construction and operation of ocean technology objects and systems | The student has the knowledge of the subject. | [SW3] Assessment of knowledge contained in written work and projects |

**Subject contents**

As above

**Prerequisites and co-requisites**

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Report | 100.0% | 100.0% |

| | | |
|---|---|---|
| Recommended reading | Basic literature | SOLAS Convention<br><br>Stockholm Agreement |
| | 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,<br>Ocean Engineering, Volume 122, 2016, Pages 311-316, https://doi.org/10.1016/j.oceaneng.2016.06.010. |
| | eResources addresses | Adresy na platformie eNauczanie:<br>Projektowanie okrętów III - Moodle ID: 37388<br>https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37388 |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |