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| Discipline | PHYSICS | code: 6 | summer semester |
| Specialty | Naval Architecture and Marine Technology Navigation | | |
| ECTS credits: 5 | Form of assessment: exam | | |
| Lecturer | Assoc. Prof. Dr. Alexander Ogoyski Room: 818 E Phone: +359 894 207 818 E-mail: ogoyski@abv.bg |  | |
| Department | Mathematics and Physics | | |
| Faculty | Faculty of Electrical Engineering | | |
| <p>Learning objectives:</p> <p>The General Physics course provides basic knowledge in Classical and Relativistic Mechanics, Electrodynamics, Thermodynamics, Classical and Quantum Optics and Atomic and Nuclear Physics.</p> <p style="text-align: center;">ANNOTATION</p> <p>General Physics is a fundamental discipline, the basis of all applied technical sciences. Physical knowledge is of crucial importance for the future engineer- manager. The purpose of this course is not only to acquaint students with basic physical laws, but also to establish a common philosophic idea about the modern concept of the Universe creation and recent tendencies of development of Physical Science.</p> | | | |

| CONTENTS: | | |
|------------------------------|-------------------|------------------------|
| Training Area | Hours lectures | Hours lab exercises |
| Classical Mechanics | 4 | 3 |
| Relativistic Mechanics | 4 | 2 |
| Classical Electrodynamics | 5 | 3 |
| Thermodynamics | 5 | 2 |
| Classical and Quantum Optics | 5 | 3 |
| Atomic and Nuclear Physics | 7 | 2 |
| TOTAL: 45 h | 30 | 15 |