

GENERAL PHYSICS (11)

Annotation: General Physics is a fundamental discipline, the basis of all applied technical sciences. Physical knowledge is of crucial importance for the future engineer -navigator. The course includes the major parts of Classical Physics- mechanics, thermodynamics, electrodynamics, oscillations and waves and also basic ideas of Modern Physics-relativistic and quantum mechanics, atomic and nuclear physics.

Course main divisions:

- CLASSICAL MECHANICS
- PERIODICAL PROCESSES
- THERMODYNAMICS
- ELECTROMAGNETIC PHENOMENA
- OPTICS
- SPECIAL THEORY OF RELATIVITY
- BASIC OF QUANTUM MECHANICS AND ATOMIC PHYSICS
- NUCLEAR PHYSICS