

Code: 10,,Physics'

ECTScredits: 4	Number of hours per week: 2+1+1
Forms of assessments: Exam	Types of assessment: Exam - test/quiz
Department, providing instruction on the discipline:	
Section: PHYSICS	
DEPARTMENT OF MATHEMATICS, PHYSICS AND LANGUAGE EDUCATION	

Lecturer: Assoc.Prof. P.Popov

Section: PHYSICS

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Annotation: The course aims to introduce the students to fundamentals of physics – theoretically and experimentally, starting and basic knowledge on physics on level, corresponding to the needs of higher education in Bulgaria. The connection of the theory with practical implementations is pointed.

Main issues of the syllabus content:

- Elements of classical mechanics
- Dynamics of a material point
- Work and Energy
- Elements of molecular physics and thermodynamics
- Irreversibility of processes
- Electricity and magnetic processes
- Vibration and waves
- Optics
- Structure of the atom
- Elements of nuclear physics.

Content presentation: Lectures, seminar and laboratory exercises.