Title	Code
Experimental Physics (Fizyka doświadczalna)	**1010401211010410163**
Field: **TECHNICAL PHYSICS**	Year / Semester: **1 / 1**
Specialty: **-**	Course: **core**
Hours: Lectures: **4** Classes: **4** Laboratory: **-** Projects / seminars: **-**	Number of credits: **11**
	Language: **polish**

Lecturer:

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Status of the course in the study program:

Core course of the study for Technical Physics, Faculty of Technical Physics.

Assumptions and objectives of the course:

students should obtain knowledge of fundamentals physical phenomena and their theoretical descriptions on the academic level in the fields of: mechanics, heat, molecular physics and gravitation field

Contents of the course (course description):

kinematics and dynamics of a material point and the right body, conservative laws of energy, linear momentum and angular momentum, mechanics of fluids, gravitation field, motion in noninertial reference systems, special theory of relativity, elasticity property of body, harmonic motion and waves, heat and laws of thermodynamics, kinetic-molecular theory of body structure

Introductory courses and the required pre-knowledge:

basic knowledge of physics - secondary school level

Courses form and teaching methods:

lectures supported by experiments and computer simulations of phenomena, calculation exercises

Form and terms of complete the course - requirements and assessment methods:

oral examination, solution of objectives in writing

Basic Bibliography:

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Additional Bibliography:

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