

Title Engineering Mechanics	Code 10102543410102101665
Field Mechatronics	Year / Semester 2 / 4
Specialty -	Course core
Hours Lectures: 1 Classes: 14 Laboratory: - Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

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Faculty:

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Status of the course in the study program:

- Core course at the Mechanical Engineering and Management Faculty to first degree studies

Assumptions and objectives of the course:

- The student should obtain knowledge of theoretical fundamentals and practice for solution of basic fluid mechanics problems

Contents of the course (course description):

- Kinematics of material point. Classification of rigid body motions. Angular velocity of rigid body. Kinematics of plane motion. Dynamic of material point. Moment of inertia of rigid body. Momentum of body. Principle of work and kinetic energy. Principle of impulse and momentum. Principle of virtual work.

Introductory courses and the required pre-knowledge:

- Basic knowledge of differential calculus and vector algebra.

Courses form and teaching methods:

- Lectures and practical lectures

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

- Examine from lectures and test from practical lectures.

Basic Bibliography:

Additional Bibliography: