

Incoming student mobility

UNIOS University Unit: _FERIT_____

COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

Department or Chair within the UNIOS Unit	Chair of Mathematics, Physics and Mechanical Engineering
Study program	Computer Engineering
Study level	Undergraduate (bachelor)
Course title	Physics
Course code (if any)	PE203-17
Language of instruction	Croatian/English
Brief course description	Introduction to classical mechanics: measurement and units, motion along a straight line and in two and three dimensions, force and motion, kinetic energy and work, potential energy and conservation of energy, centre of mass and linear momentum, rotation, rolling, torque and angular momentum. Introduction to electricity and magnetism: electric charge, electric fields, electric potential, magnetic fields, Maxwell's equations, electromagnetic waves. Oscillations. Waves. Introduction to modern physics: interference, diffraction, photoelectric effect, blackbody radiation.
Form of teaching	Lectures, tutorials, laboratory exercises.
Form of assessment	Tests in theory and problem solving, writing reports from the lab.
Number of ECTS	6
Class hours per week	4

ERASMUS+

EU programme for education, training, youth and sport

Minimum number of students	
Period of realization	summer semester
Lecturer	Marina Skender