

Incoming student mobility

UNIOS University Unit: FERIT

COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

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| Department or Chair within the UNIOS Unit | Chair of Mathematics, Physics and Mechanical Engineering |
| Study program | Electrical Engineering and Information Technology |
| Study level | Undergraduate (bachelor) |
| Course title | Physics I |
| Course code (if any) | PE104 |
| Language of instruction | Croatian/English |
| Brief course description | Introduction to classical mechanics: measurement and units, motion along a straight line, vectors, motion 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, equilibrium and elasticity, gravitation. Fluids. Oscillations. Waves. Temperature, heat and the first law of thermodynamics. Kinetic theory of gases. Entropy and the second law of thermodynamics. |
| Form of teaching | Lectures, tutorials, laboratory exercises. |
| Form of assessment | Tests in theory and problem solving, writing reports from the lab. |
| Number of ECTS | 5 |
| Class hours per week | 4 |
| Minimum number of students | |

ERASMUS+

EU programme for education, training, youth and sport

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| Period of realization | winter semester |
| Lecturer | Marina Skender |