**Incoming student mobility**

**Name of UNIOS University Unit: Mechanical Engineering Faculty in Slavonski Brod**

**COURSES OFFERED IN FOREIGN LANGUAGE**

**FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS**

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| **Department or Chair within the UNIOS Unit**  | **Department of Industrial Engineering** |

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| **Study program**  | **Mechanical Engineering** |

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| **Study level** | **Graduate (master)** |

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| **Course title** | **Programming** |
| **Course code (if any)** | **D 1007** |
| **Language of instruction** | **English** |
| **Brief course description** | **Understanding the basis of procedural programming, by the selected programming language: Basic data types, commands, expressions and operators, program structure, control flow, control input and output; functions. Object-oriented programming through the selected programming language: objects and classes; the basic elements of the class; encapsulation; inheritance; polymorphism. Guidelines development and implementation of own software solutions in the field of industrial engineering.** |
| **Form of teaching** | **Lectures and exercises. Auditory and laboratory exercises on computers with the** **continuous monitoring and evaluation. Available possibility to remotely and interactively attend lectures over the Internet.** |
| **Form of assessment** | **Continuous monitoring and evaluation and pass the tests of knowledge (program, seminars, colloquia, test).** |
| **Number of ECTS** | **4** |
| **Class hours per week** | **2 hours of lectures + 2 hours of exercises** |
| **Minimum number of students** | **10** |
| **Period of realization**  | **Summer semester** |
| **Lecturer** | **Assoc. Prof. Dr. Tomislav Galeta** |