

## Incoming student mobility

UNIOS University Unit: SCHOOL OF APPLIED MATHEMATICS AND INFORMATICS

### COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

Department or Chair within the UNIOS Unit	School of Applied Mathematics and Informatics
Study program	Graduate Mathematics and Informatics Education Study Programme
Study level	Graduate (master)
Course title	Digital Literacy
Course code (if any)	I062
Language of instruction	English
Brief course description	<p>Syllabus.</p> <ol style="list-style-type: none"> <li>1. Tools for formatting in a network environment. Embedding tables, images, charts, hyperlinks in the formatted text. Publication of documents and collaboration in a networked environment.</li> <li>2. Tools for creating spreadsheets in a network environment. Conditional formatting. Formatting data. Using functions for data analysis. Defining own functions and functionality using JavaScript programming language. Data visualization using pivot tables and charts. Using network APIs to access the data.</li> <li>3. Using a network to store and retrieve multimedia content. Creating dynamic web pages using ready-made tools. Using HTML and CSS for extra customization content.</li> <li>4. Processing systems. Formatted and unformatted data records. Transactional and analytical databases. Information systems.</li> <li>5. A tool for creating database. Creating and modifying tables. Manipulating data. SQL queries against database. Relations between tables. Reports and forms. Macros.</li> </ol>
Form of teaching	
Form of assessment	During exercises, students will create digital content using tools at the lectures. The examination consists of written exam where students demonstrate knowledge of the theoretical basis of the information systems. Students are required to prepare a seminar in

## ERASMUS+

EU programme for education, training, youth and sport

	one of the featured tools.
Number of ECTS	6
Class hours per week	2+2+1
Minimum number of students	
Period of realization	Winter semester
Lecturer	