

Study programmes: MASTER STUDIES – Mathematics			
Course name: Teaching Methodology in Computer Science C with exercises			
Lecturers: Miroslav Marić and other lecturers from the Department of Computer Science and Informatics			
Status: Optional			
ECTS: 8			
Attendance prerequisites: There are no prerequisites.			
Course aims: The acquisition of general and specific knowledge of teaching methodology in Computer Science; i.e. the way of teaching various topics in the field of Computer Science to the students of different ages.			
Course outcome: Upon completion of the course, the student has professional knowledge from various topics in the field of Computer Science that are taught in schools, as well as the ability to effectively teach students these topics.			
Course content:			
<ul style="list-style-type: none"> • World standards in computing education. • Planning computer education. • Grading. • Topics: The Principles of Computer systems; Programing paradigms; System Software; Networks; Programming. • The exercises include working on standard computer applications. 			
Literature:			
1. Internal materials, high school textbooks (The lecturer can choose any other appropriate literature)			
Number of hours: 7	Lectures: 3	Tutorials: 2	Laboratory: -
Research: 2			
Teaching and learning methods: Frontal, Interactive and Exercises.			
Assessment (maximal 100 points)			
Course assignments	points	Final exam	points
Lectures	-	Written exam	60
Exercises / Tutorials	-	Oral exam	-
Colloquia	20	Written-oral exam	-
Essay / Project	20		