Study programmes: Bachelor studies - Mathematics	
Course name: M4.03 - Educational software	
Lecturers: Miroslav Marić, Gordana Pavlović-Lažetić	
Status: Compulsory	
ECTS: 6	
Attendance prerequisites: There are no prerequisites.	
Course aims: The familiarization of students with software packages used in education, the principles of their use and the principles of lesson planning.	
Course outcome: Upon completion of the course, the student is familiarized with various software packages used in education and the principles of their use, as well as with the principles of lesson planning by using educational software.	
Course content: - Overview of the development of educational software. - The classification of educational software. - The principles of use of educational software. - Overview of educational software from various fields (mathematics, physics, history, music). - The principles of creating educational software. - The creation of learning resources using educational software.	
Literature: 1. Cynthia Ann Haynes (Editor), Jan Rune Holmevik (Editor) «High Wired: On the Design, Use, and Theory of Educational MOOs». 2. Kozulin, Alex; Gindis, Boris; Ageyev, Vladimir S.; Miller, Suzanne M.; Pea, Roy; Brown, John Seely; Heath, Christian: «Vygotsky's Educational Theory in Cultural Context», Cambridge University Press. (The lecturer can choose another relevant current literature)	

Number of hours: 5	Lectures: 2	Tutorials: 2 + 1	Laboratory: –	Research: –

Teaching and learning methods: Frontal, interactive and exercises.

Assessment (maximal 100 points)			
Course assignments	**points**	**Final exam**	**points**
Lectures	10	Written exam	30
Exercises / Tutorials	-	Oral exam	30
Colloquia	20	Written-oral exam	-
Essay / Project	10		