

Study program: Informatics			
Name of the subject: Information System Development			
Professor/assistant: Miroljub M. Banković			
Type of course: Compulsory			
ECTS credits: 6			
Prerequisites: none			
Aims of the course: Introduction to the principles and classic methods of designing information systems, and their application in building and implementing information systems.			
Learning outcomes: After completing the course, the student will be able to apply the basic elements of information system designing.			
Syllabus: <i>Theoretical part:</i> <ol style="list-style-type: none"> 1. Basics of theory of the system 2. Theory of information and communication 3. Types and definitions of information systems 4. Organization of information system 5. Basic steps of information system designing 6. Approach to information system designing for purposes of projects 7. System modeling (process modeling, data modeling) 8. Database as a part of an information system project 9. Classical methods for designing information systems (BSP, SDM, SSA) 10. Implementation of the information system 11. Selecting resources to support information system 12. Exploitation of information system <i>Practical part:</i> Practical exercises			
Literature: <ol style="list-style-type: none"> 1. Alempije Veljović, Miroljub Zahorjanski, Modeliranje informacionih sistema, Računarski fakultet: CET, 2016 2. Alempije Veljović, Miroljub Zahorjanski, Zbirka zadataka iz informacionog Modeliranja, Računarski fakultet: CET, 2016A. 3. Veljović, Projektovanje informacionih sistema, Kompjuterska biblioteka, Čačak, 2003. 			
Total number of active classes: 60		Theory classes: 30	Practical classes: 30
Teaching methods: Lectures and practical computer exercises			
Grading system (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.			
Pre-exam obligations:	Points:	Final exam:	Points:
Activity during lectures	5	Written exam	50
Practical training	5		
Project	40		
Minimum requirement for the final exam	30		