

<b>Study Programme: Engineering Management</b>			
<b>Course Unit Title: Information and communication systems</b>			
<b>Course Unit Code: IM1029</b>			
<b>Name of Lecturer(s): Darko Stefanović, Andraš Anderla</b>			
<b>Type and Level of Studies: bachelor</b>			
<b>Course Status (compulsory/elective): compulsory</b>			
<b>Semester (winter/ summer): winter</b>			
<b>Language of instruction: english</b>			
<b>Mode of course unit delivery (face-to-face/distance learning): face-to-face</b>			
<b>Number of ECTS Allocated: 6</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> The subject is studying with goal of acquiring of knowledge about the place and the role which a information system has in procedures of real system management. In the same time, studying of the subject giving knowledge about methodological ways in analysis and design of information systems and major segments in their structures. Listeners of the subject are qualifying for competent participation in design, re-engineering and documenting of information systems, their evaluation, exploitation and maintenance.			
<b>Learning Outcomes:</b> During of subject course, students are acquiring relevant knowledge in the field of information systems design and re-engineering, they are working on system analysis and modeling tasks and, in that context, they are qualifying for applications of more methods, means and tools which are standardized and world-wide applied.			
<b>Syllabus.</b> Basic concepts and explanations. Design and re-engineering of information systems. Information system life cycle. Strategic planning of development and implementation of information systems. System analysis - methods, techniques and tools. Methodological approaches in development and implementation projects. Modeling of IS components. Methods and means for data base modeling. Modeling of software solutions. Information system platforms. Human resources for development, exploitation and maintenance of IS. System testing and implementation. Maintenance approaches and methods. Documenting of IS.			
<b>Required Reading:</b> Relevant literature in English, tbd			
<b>Weekly Contact Hours:2</b>	<b>Lectures: 3</b>	<b>Practical work: 0</b>	
<b>Teaching Methods:</b> Teaching process performs in form of lectures and teaching exercises which are computer supported. Possibility of permanent and open consultations is available.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

