Course Unit Descriptor

Study Programme: Information Systems Engineering	
Course Unit Title: Project Management Methods and Techniques	
Course Unit Code: IZOO18	
Name of Lecturer(s): Slobodan Morača	
Type and Level of Studies: Bachelor level	
Course Status (compulsory/elective): compulsory	
Semester (winter/summer): summer	
Language of instruction:english	
Mode of course unit delivery (face-to-face/distance learning): face-to-face	
Number of ECTS Allocated:4	
Prerequisites: none	

Course Aims:

Educational objective of this subject is to enable students to understand nature of projects, important project management processes and to gain knowledge required for successful initiation and delivery of projects for modern technologies application. Students should gain knowledge about existing standards and methodologies (PMI, IPMA…) and importance and possibilities of project management application in practice in different business fields. This course shows how complex IT projects can be effectively planned, implemented and controlled. Student will learn which tools and methods are used in which project development phases

Learning Outcomes:

After successful completion of this course, student will be able to initiate projects, to individually deliver project tasks, to collaborate in project environment, will know fundamental project management processes, emerging project management methodologies (Agile, Scrum…) which are used for new technologies development. erent business analysis and reporting techniques, to make use of data obtained from information systems, to provide general overview and business implications from company documentation and create graphical results of analysis, to communicate with relevant stakeholders about business changes and to provide solution on basic level problem complexity.

Syllabus:

Following topics are covered in this course: Project fundamentals. Standards and methods for Project Management (PMI, IPMA) Project Scope Management. Project Integration Management. Project Time Management. Project Financial Management. Project Quality Management. Project Resource Management. Project Communication Management. Project Risk Management. Project Procurement Management. IT Project Management. Functional System Decomposition using IDEF0 methodology. Agile Project Management. Scrum methodology. Prince2 methodology. Microsoft Solution Framework.

Required Reading: Relevant literature in English TBD

Weekly Contact Hours:-	**Lectures:-**	**Practical work:-**

Teaching Methods:

A variety of approaches to teaching and learning are adapted including multimedia lectures and computer simulated exercises. Fundamental models and theoretical approach will be shown on lectures and concrete examples on exercises will be complementary to the provided content on lectures. Exercises held on computers will be interactive with use of modeling tools. Teaching methods will be directed towards active involvement of students having minimum 40% of the

time spent in this way			
Knowledge Assessment (maximum of 100 points):100			
Pre-exam obligations	points	**Final exam**	points
Project	45	Oral Part of the Exm	25
Colloquim Exam	25		
Lecture Attendance	5		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			