Course Unit Descriptor

Study Programme: Information Systems Engineering								
Course Unit Title: Obje	ect orient	ted information t	echnologies					
Course Unit Code: IZC	0052							
Name of Lecturer(s): Pržulj Đorđe								
Type and Level of Studies: bachelor								
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: 6								
Prerequisites: none								
Course Aims:								
The aim of the course is to empower students with theoretical and practical knowledge in object-oriented (OO)								
information technologies and OO software engineering. Students will be able to approach systematically to the study of								
new (not learned yet) OO tools and techniques and to master their use easily and quickly.								
Learning Outcomes: This course discusses the design principles of object-orientation, introduces students with the Unified Modeling Language and studies advanced topics in OO system design, OO programming language and OO development process.								
Object identity. Inheritar techniques. Fundamental Language (UML). OO m development. Fundamen Required Reading:	nce. Imple concepts nodel:stru tals of Ur	ementation hiding, s and syntax of sel cture model and b nified Process.	, polymorphism an ected OO program	nd persisten nming lan	l OO concepts: object, class, message etc. ence. OO data model. OO programming iguage. Fundamentals of Unified Modelling gical approach to OO software design and			
Relevant literature in English, tbd								
Weekly Contact Hours:2 Lectures: 2		Lectures: 2		Practic	Practical work: 0			
Teaching Methods: Lectures; Tutorials (computer laboratory); Consultations; Individual work on required assignments. Students are encouraged to communicate, to participate in critical discussions; to work independently and to be actively involved in teaching process.								
Knowledge Assessment (maximum of 100 points):								
Pre-exam obligations	points		Final exam		points			
Attendance								
Computer exercises								
Tests (4x)								