

Course title :

Course Basic Information			
Academic Unit:	Faculty of Civil Engineering		
Course title:	Programming		
Level:	Bachelor		
Course Status:	Mandatory		
Year of Study:	Year 1, Semester 1		
Number of Classes per Week:	2+2		
ECTS Credits:	6		
Time /Location:	According to the Timetable		
Teacher:	Prof. Ass. Dr. Kadri Szejmani		
Contact Details:	kadri.sylejmani@uni-pr.edu		
Course Description:			
	Subject Programming explains basic command syntax of a programming language, and algorithms for selecting various problems school level.		
Course Goals:			
	The purpose of this course is to equip students with basic knowledge about programming techniques. Special accent is given to the Java programming language.		
Expected Learning Outcomes:			
	<ol style="list-style-type: none"> 1. Understand the principles behind programming, 2. Be able to understand and use basic commands of Java programming language, 3. Be able to design flow diagrams for solving different problems that might arise during study period, 4. Understand principles behind object oriented programming 		
Student Workload (should be in compliance with student's Learning Outcomes)			
Activity	Hours	Day/ Week	Total
Lectures	2	15	30
Theory/ Lab Work/Exercises	2	15	30
Practical Work	1	10	10
Study for intermediate test			
Consultations with the teacher	1	10	10
Field Work			
Test, seminar paper	1	5	5
Homework	2	4	8
Self-study (library or home)	2	10	20
Preparation for final exam	10	3	30
Assessment time (test, quiz, final exam)	2	1	2
Projects, presentations, etc.	1	5	5
Total			150
Teaching Methods:			
	<ul style="list-style-type: none"> - Lecture - Discussion during lectures 		

	<ul style="list-style-type: none"> - Exercises - Work in group
Assessment Methods:	<p>In evaluation, the percentage of the attendance of each partial evaluation in the final evaluation must be determined. One of the ways of evaluation would be:</p> <p>First colloquium: 30%</p> <p>Second Colloquium: 30%</p> <p>Final exam: 40%</p> <p>Total: 100%</p>
Primary Literature:	<ol style="list-style-type: none"> 1.Chapman, S.J.: Java for Engineers and Scientists.Printice Hall 2003 2. Algoritmet, Agni Dika
Additional Literature:	<ol style="list-style-type: none"> 1. Zukowski, J: Mastering Java 2, J@SE 1.4 Sybex 2002 2. Ueb faqja: www.freejavaguide.com

Designed teaching plan	
Week	Title of the Lecture
Week 1:	Introduction to programming
Week 2:	Types of data
Week 3:	Reading input values and typing exit values
Week 4:	Algorithms for calculation of the amount, production and factorial.
Week 5:	Structures Crotch (If, Switch)
Week 6:	Rings (While, Do While, For)
Week 7:	Algorithms for numerical field action
Week 8:	Using fields (vectors and matrixes) in programming
Week 9:	Algorithms for solving problems through division in smaller parts
Week 10:	Sharing program in part (Methods)
Week 11:	The techniques programming in oriented object
Week 12:	Classrooms
Week 13:	Implementation of overloaded functions
Week 14:	Legacy of classes
Week 15:	Using strings (string of symbols)

Academic Policies and Code of Conduct
<ul style="list-style-type: none"> - Regular attendance of lectures and exercises - Being quiet during the sessions - Shutting down mobile phones - Being on time

Note | If a student has more than 3 class assignments evaluated below 50% he/she loses the right on taking the final exam. Evaluation is done from 0-100 %.