



**UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE**

PROGRAM: Software Design

Curriculum -- SYLLABUS							
<i>Level of studies</i>	BACHELOR	<i>Program</i>	SD	<i>Academic year</i>	2017/2018		
SUBJECT	Introduction to programming						
<i>Year</i>	II	<i>Status Of the subject</i>	Obligatory	<i>Code</i>	303	<i>ECTS credits</i>	6
<i>Semester</i>	III						
<i>Teaching weeks</i>	15		<i>Hours teaching</i>	45	<i>Lectures</i>		<i>Exercises</i>
					3	2	
<i>Teaching Methodology</i>	Lectures, exercises, seminar papers, consultations, tests.						
<i>Consultation</i>	One hour / week						
<i>The teacher</i>	Prof.Ass. Ercan Canhasi			<i>E-mail:</i>	ercan.canhasi@uni-prizren.com		
				<i>Tel.:</i>	045 542 501		
<i>Assistant</i>	Msc. Selman Jagxhiu			<i>E-mail:</i>			
				<i>Tel.:</i>			

Study goal and table of content	Benefits of student
<p>The objective of the course is to give the students opportunity to define, understand, apply, analyze, evaluate and create ideas on wide range of introductory concepts about compiler and linker in comparison to the interpreter, fundamentals of classical procedural programming such as comments, data types and variable declarations, commands, operators, assignments, control structures and functions.</p>	<p>After the course, each student is expected to be able to: have an overview in Fundamentals of classical procedural programming such as comments, data types and variable declarations, commands, operators, assignments, control structures and functions. understand Compiler and linker in comparison to the interpreter. to write a small procedural program</p>

Methodology for the implementation of educational topics:		
This is a combined course with lectures, discussions, conversations, practical work, exercises, workshops, seminars, task in which subjects are presented by professor of course and assistant in the laboratory.		
Conditions for realization of educational topics:		
<ul style="list-style-type: none"> • Adequate literature, table, computer, projector and other necessary IT tools for learning and exercises. 		
Ways of assessing of the student (in %) :	Evaluation in%	Final grade
A seminar paper	10.00 %	51-60% - grade 6 61-70 7 71-80 8 81-90 9 91-100 10
Colloquia	30.00 %	
Final test	60.00 %	
Final Exam included three evaluation criteria;	10 + 30 + 60	
Total	100.00 %	
Obligations of student:		
Lectures	Exercises	

The student must be regular lectures and exercises, to use all possibilities for learning the knowledge required to use literature and wider, to be active and keep regulations on higher education in ethics and courtesy for cooperation.	The student must be active and reflective exercises and knowledge readiness initiatives, ideas and demonstration of knowledge gained in lectures.
---	---

Student workload for Subject

Activities	Hour/ weeks	Days/Weeks	Total
Lectures	2	15	30
Laboratory exercises	2	15	30
Contacts with teachers / consultations	0.5	15	7.5
Practical work	1	2	2
Projects, presentations, etc.	1	2	2
Own study time	3	10	30
Preparation for final exam	3	5	15
Time spent in the assessment (tests, final exam, etc.)	2	3	6

Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.

Total load:

120

Week	Lectures	Hour	Exercises	Hour
	Topic		Topic	
1-2	<ul style="list-style-type: none"> Introduction to Java Programming Language How to write, compile and run Java code 	4	<ul style="list-style-type: none"> Introduction to Java Programming Language How to write, compile and run Java code 	4
3	<ul style="list-style-type: none"> Structure of the program variables (variables) and constants Types of data 	2	<ul style="list-style-type: none"> Structure of the program variables (variables) and constants Types of data 	2
4-5	<ul style="list-style-type: none"> Showing the results (output) in the console Comments in Java expressions Operators and Priorities Assignment expression 	4	<ul style="list-style-type: none"> Showing the results (output) in the console Comments in Java expressions Operators and Priorities Assignment expression 	4
6-7	<ul style="list-style-type: none"> Conversion of data Enforce and resolution Equality and logic operators 	4	<ul style="list-style-type: none"> Conversion of data Enforce and resolution Equality and logic operators 	4
8	<ul style="list-style-type: none"> The first test Consulting the results of the test 	4	<ul style="list-style-type: none"> The first test Consulting the results of the test 	2
9-10	<ul style="list-style-type: none"> <i>Flow Control / conditional statements</i> <ul style="list-style-type: none"> <i>Instruction If - else</i> <i>Blloc instructions</i> <i>Complex If Statements</i> <i>switch statement</i> 	4	<ul style="list-style-type: none"> <i>Flow Control / conditional statements</i> <ul style="list-style-type: none"> <i>Instruction If - else</i> <i>Blloc instructions</i> <i>Complex If Statements</i> <i>switch statement</i> 	4
11-12	<ul style="list-style-type: none"> <i>Loop statements</i> <ul style="list-style-type: none"> <i>WHILE loops</i> <i>Do / WHILE loops</i> <i>for loops</i> <i>For Each loops</i> <i>Iterators</i> <i>Recursion (Introduction / concept)</i> 	4	<ul style="list-style-type: none"> <i>Loop statements</i> <ul style="list-style-type: none"> <i>WHILE loops</i> <i>Do / WHILE loops</i> <i>for loops</i> <i>For Each loops</i> <i>Iterators</i> <i>Recursion (Introduction / concept)</i> 	4

13-14	<ul style="list-style-type: none"> • <i>Arrays</i> • <i>Strings</i> 	4	<ul style="list-style-type: none"> • <i>Arrays</i> • <i>Strings</i> 	4
15	<ul style="list-style-type: none"> • The second test • Consulting the results of the test 	4	<ul style="list-style-type: none"> • The second test • Consulting the results of the test 	4

LITERATURE:

Basic Literatur :

- Java how to program 9th Edition – Dietel and Dietel
- Thinking in Java 5th edition (falas) – Bruce Eckel
- Beginning Java 2, JDK 5 Edition - Ivor Horton's

A good web site with books and material for Java, can be found:

http://www.freeprogrammingebooks.net/free_ebook_java_free_ebooks_java/index.php

NOTICE:

- In general presentations of lectures will be made through Power Point system, table, use of materials and computer software and the Internet.
- Also, the professor will be provided additional materials (papers, publications, national bulletins and sound research findings and final).
- In the absence of the possibility that practical work is organized every week, in cooperation with the management of the University, this activity will be organized on certain days, organizations, companies, farms, processing manufacturing unit.
- During each session, will be organized conversations with students.

Notice for the student:

- The students are required to be regular in the lectures and exercises.
- The contribution of the students in the form of conversation with the students will be evaluated.
- Arrival time at lectures and exercises is mandatory.