

		Course: <i>Web programming - Java</i>		
Course code	Course status	Semester	No. of ECTS credits	No. of classes per week
PP1023	Mandatory	II	6	3Lectures+1Exercises

The study program :

The applied graduate studies of computer engineering, lasting 2 years, with the total number of 120 credits (after finished basic studies, lasting 3 years, with the total number of 180 credits)

The conditionality of other courses: No conditions.

The goals of the course:

The goal of the course is to comprehend all aspects of JAVA programming language, and introducing crucial libraries as well as the improvements of the edition J2SE 5 (*Java 2 Standard Edition*).

The lecturer:

Doc. dr Budimir LUTOVAC

The course consists of:

Lectures and practical exercises, individual homeworks, consultations

The course overview:

Preparing week	Preparation and semester enrollment
I week	An overview of JAVA. Data types, Variables and Arrays;
II week	Operators. Control statements;
III week	Introducing classes. A closer look at methods and classes;
IV week	Inheritance. Packages and interfaces;
V week	Exception handling;
VI week	I colloquium
VII week	Free week
VIII week	Multithreaded programming;
IX week	I/O operations. Applets;
X week	Genesis types. String handling;
XI week	Packages (java.lang, java.util). Java collections framework;
XII week	I/O operations: exploring java.io. Networking;
XIII week	II colloquium
XIV week	The Applet class. Events handling;
XV week	Introducing the AWT: working with windows, graphics and text;
XVI week	The final exam
Last week	Attestation of the semester and exam mark inscription
XVIII-XXI week	Additional lectures and the second exam term

The number of students working hours

<u>Weekly</u>	<u>During the semester</u>
6 credits x 40/30 = 8 h Structure: 3 h for lectures 1 h for exercises 4 h for individual work, including homeworks and consultations	Lectures and final exam: (8 h) x 16 = 128 h Preparation before the beginning of semester (administration, enrollment, etc) 2 x (8 h) = 16 h The total number of working hours for the course 6.0x30 = 180 h The additional work for exams preparing , including the hours for exam from 0 to 36 h The structure: 128 h (lectures)+16 h (Preparation)+ 36 h (Additional work/lectures).

The students are obliged to attend the lectures, to submit the homeworks, to pass the colloquiums and final exam.

Literature:

The basic: Herbert Schildt: Java J2SE 5 –Mikro knjiga, Beograd, 2006.
 Nickolas. C. Zakes: Professional JavaScript for Web Developers, Wiley, 2005.

Grading policy:

- 5 homeworks provide 5 points in total (1 point for each homework),
- The presence at lectures and active participation provide 5 points,
- Two colloquiums – each provide 20 points (40 points in total)
- The final exam 50 points.

Minimum points for passing the course- 51 points.

The special note for the course: The groups of 40 students are planned for lectures.

Name and Surname of the lecturer: Doc. dr Budimir LUTOVAC

Note: