

Faculty of International Economics and Administration
Department: Informatics
Professional Area: Informatics and Computer Studies
Major: Web design
Educational-and-qualification Degree: Master

COURSE DESCRIPTION

1. Course unit title: Object-oriented Programming- Java
2. Course unit code: INF 1063
3. Type of course unit: optional
4. Level of course unit: Master
5. Year of study: fourth
6. Semester: eighth
7. Number of ECTS credits allocated: 3
8. Name of lecturer: Chief Assistant Prof. Galina Momcheva-Gardeva, PhD
9. Learning outcomes of the course unit: The training is designed to provide postgraduates with knowledge of the principles of building a graphical user interface (GUI) and the ability to create applications with a suitable GUI, using SWING JFC.
10. Mode of delivery: face-to-face
11. Prerequisites and co-requisites: Postgraduates are required to have completed the course Object-oriented Programming in JAVA, have achieved the goals of training, have passed the exam.
12. Course contents: The course includes topics related to the principles of designing GUI, visualization of graphic assets, with the purpose of using them in a GUI; study SWING components and their interaction; analysis of the purposes of the application in order to select appropriate components for its construction.
13. Recommended or required reading:
 1. Schildt H., Java Swing, Second Edition, Osborne Mcgraw Hill, 2006
 2. Haase C., Filthy Rich Clients: Developing Animated and Graphical Effects for Desktop Java Applications, 2007
 3. <http://docs.oracle.com/javase/tutorial/>
14. Planned learning activities and teaching methods: problem-solving approach is used, training by means of tasks, using predefined scenario classes, taking advantage of the documentation of SWING JFC.
15. Assessment methods and criteria:

The methods of assessment are:

 - current tests to check the acquisition of knowledge on topics;
 - stop test exam, assessing the acquisition of basic knowledge;
 - project assignment
16. Language of instruction: Bulgarian
17. Work placement: practical laboratory work.