

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: **Web programming – php, My SQL**
2. Course unit code: **INF 1069**
3. Type of course unit: compulsory
4. Level of course unit: Master
5. Year of study: first
6. Semester: first
7. Number of ECTS credits allocated: 9
8. Name of lecturer: Prof.Dr.Tech.Sc.T.Stoilov
9. Learning outcomes of the course unit – acquired knowledge, skills, competences (objectives):
The course is directed to the practical implementation of Web technologies: www, programming by the customer, programming by the server, database application in Web information services. The course examines and practices compilation of scripts that work in Web environment.
10. Mode of delivery: face-to-face
11. Prerequisites and co-requisites: Prior knowledge of the students is required for the basic language HTML, which is used for the construction of Web-based information systems. The course aims at integrating in common software applications the technologies for customers programming, programming by the server, database implementation in Web environment.
12. Course contents (summary):
The course objective is to present system and programme technologies, which are applied to construct Web-based information systems. In the course are studied and applied complex solutions for using HTML program code. In this code are imbedded scripts, which are performed with the client, and in the course are taught solutions based on JavaScript. Java script programmes are used to analyze the correctness of the input data and generate new active windows for the information service Scripts performed by the “programming with the server” programme are also added. In the course are studied and applied PHP solutions. Imbedded functions are used to check the correctness of a symbol text, sending e-mail, working with data base. The course illustrates the way of projecting and use of data base for information services, working Web environment.
13. Recommended or required reading
 1. Ladd E., Jim O'Donnell at all. Using HTML, XML and Java 1.2, OUE, 1999, p. 1282.
 2. Powell T., D. Cutts. Web Site Engineering. Prentice Hall, 1998, p.324.
 3. Dubois P., MySQL. New Riders, 2000, p. 758.
 4. MOHR. S. Designing Distributed Applications, WROX, 1999, p. 458.
 5. Lang Z. Active X. All on One. Prentice Hall, 1997, p. 652
 6. Castagnetto J. at all. Professional PHP programming, WROX, 2000, p.909.
14. Planned learning activities and teaching methods: Lectures (30 hours) working out main topics of the course in programming with the client, programming with the server, working with data base Web environment.
15. Assessment methods and criteria:
The end-of-course examination is written and practical. The written part includes working out two questions from the synopsis within one hour. Assessment of the written work makes 60% of

the final grade. During the practical part of the examination students demonstrate По време на практическата част от изпита студентите демонстрират compilation of programmes and scripts for working in Web environment. The grade from the practical examination forms 40% of the final grade.

16. Language of instruction: Bulgarian

17. Work placement: The practical training contains working out tasks on project making and testing programmes for working in Web environment. Establishment and adjustment of programmes is performed.