

COURSE DESCRIPTION

1. Course unit title: **HTML and CSS**
2. Course unit code: **INF 3020**
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: 6
8. Name of lecturer: Prof. Dr. Tech Sc. T. Stoilov
9. Learning outcomes of the course unit – obtained knowledge, skills, competences (objectives) – defined by the information materials provided.
The course is oriented towards providing students with practical skills for programming on the Internet. Two of the main programming methods on the Internet are studied: HTML programming and programming by the user on the principle of Java Script.
10. Mode of delivery: face-to-face
11. Prerequisites and co-requisites Students are required to have preliminary knowledge of working with computer systems and operating systems, as well as knowledge of programming. The course aims to integrate the programming prerequisites for creating information systems which operate in global networks.
12. Course contents (annotation)
The course objective is to provide students with knowledge of common algorithmic languages and programme technologies used in the implementation of information systems on the Internet. Students are familiarized with the basic programming language HTML, with its structure, tag sequence and possibilities. Tools for presenting text, graphics, sound and image are studied. The increase in the dynamics of the data presentation is realized through training in the JavaScript language. The possibilities for maintaining custom dynamic web pages and solutions are presented.
Through developing specific programme solutions to tasks related to main techniques of client and server programming students acquire practical knowledge and skills in using the above mentioned Internet programming languages. The practical seminars focus on developing students' individual creative potential.
13. Recommended or required reading
 1. Ladd E., Jim O'Donnell at all. Using HTML, XML and Java 1.2, OUE, 1999, p. 128
 2. Powell T., D. Cutts. Web Site Engineering. Prentice Hall, 1998, p.324.
 3. JavaScript. Изд. Нисофт., 1998, стр. 264.
 4. Loveman J. Internet Explorer. Prentice Hall, 1999, p. 476.
 5. <http://www.ryerson.ca/JavaScript/lectures/contents.html>
 6. <http://www.go4expert.com/forums/showthread.php?t=104>
14. Planned learning activities and teaching methods: Lectures (*2 hours a week, 7 weeks*) which cover topics related to designing and testing a programme code written in HTML and Java Script.
15. Assessment methods and criteria:
Students take a written and a practical examination in order to successfully complete the course. The written examination involves providing detailed answers to two questions from the synopsis within a time limit of one hour. The written examination score represents 60% of the student's final grade. In the practical examination students design and animate files with HTML and Java Script codes. The practical examination score represents 40% of the student's final grade.
16. Language of instruction: Bulgarian
17. Work placement: The practical seminars involve writing a programme code and testing it.