Course Unit Descriptor

Study Programme: Information Systems Engineering

Course Unit Title: Web-orineted Technologies and Systems

Course Unit Code: IZOO15

Name of Lecturer(s): Srđan Sladojević

Type and Level of Studies: Bachelor level

Course Status (compulsory/elective): compulsory

Semester (winter/summer): summer

Language of instruction:english

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated:5

Prerequisites: none

Course Aims:

The aim of this course is to introduce students to the way the most popular Internet service -- WWW -- works. Special attention is given to the technologies that WWW relies on (Ajax, PHP, JavaScript, XML, etc.) as well as to some of the globally popular applications that are based on these technologies (such as social networks, blogs, video content sharing services, wiki, etc.).

Learning Outcomes:

Upon completing this course, students will have a thorough understanding of the technologies that are the foundation of modern Web applications and systems. They will have the practical knowledge needed to setup, run and maintain a Web-server. Finally, they will be introduced to popular languages used to develop Web applications, as well as to the procedures of installing and administrating some of the popular web applications developed using those languages.

Syllabus:

This course covers the following topics: Internet services, History of the Web, Client/Server architecture, Server-side languages, Client-side languages, Rich internet applications, WEB 2.0, Social networks, Security aspects of the Web.

Required Reading: Relevant literature in English TBD

Weekly Contact Hours:-	**Lectures:-**	**Practical work:-**

Teaching Methods:

Classes -- where students will be introduced to the way the Web works and contemporary technologies that make it possible. Computer lab exercises -- where students will be introduced to the practical aspects of popular Web technologies, and learn to setup, maintain and run a Web server.

Knowledge Assessment (maximum of 100 points):100

Pre-exam obligations	points	**Final exam**	points
Complex exercises	40	Oral Part of the Exm	50
Exercises Attendance	5		
Lecture Attendance	5		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.