Course Title	**Web Technology**				
Course Code	**CSC108**				
Course Type	**Compulsory**				
Level	BSc/1st Cycle				
Year / Semester	1st /2nd				
Teacher's Name	Eftychia Xerou				
ECTS	5	**Lectures / week**	3 hours	**Laboratories / week**	-
Course Purpose and Objectives	To acquaint students with the basic concepts of the Internet and the World Wide Web, to understand their usefulness and to be able to design, develop and maintain Web applications using the respective technologies.				
Learning Outcomes	Upon completion of the course, students will be able to: - Recognize the theoretical aspects of the Internet as a platform for web-based systems - Recognize modern web-based architectures and features of modern Web Servers. - Identify how networking systems can help as a strategic asset to businesses and organizations. - Recognize the relative design of web-based systems. - Recognize methods of evaluating the usability of Internet systems. - Identify the basic concepts of Service Oriented Architecture technology and its applications. - Recognize the features of the Semantic Web.				
Prerequisites	-		**Required**		-
Course Content	Introduction The History of the Internet and the World Wide Web. Basic concepts of the Internet Worldwide web Fundamental Technologies and Architecture of the World Wide Web. Web protocols. Website Design Website development methods and principles Security Introduction to Internet security concepts. Usability Usability on the Web. Usability evaluation methods.				

	Efficiency in organizations and businesses
	How the internet can be used to improve the performance of organizations and businesses. Applications: Electronic Commerce
	Advanced topics
	Semantic Web technologies, Web Services and how they can be used in organizations and businesses.
Teaching Methodology	Lectures 42 hours
Bibliography	Moseley Ralph, Developing Web Applications, Wiley, 2007
	Douglas Van Duyne et al, The design of sites, Prentice Hall, 2007
	Michael Papazoglou, Web Services: Principles and Technology, Pearson, 2007
Assessment	Final Exam 70% Assignment 30%
Language	English