COURSE OUTLINE

(1) GENERAL

SCHOOL	Social Sciences				
ACADEMIC UNIT	Cultural Technology and Communication				
LEVEL OF STUDIES	Undergraduate				
COURSE CODE	PLR 106	SEMESTER 3 rd			
COURSE TITLE	Design and Development of Websites and Web Applications				
if credits are awarded for separate con lectures, laboratory exercises, etc. If th whole of the course, give the weekly teac	mponents of the e credits are aw	WEEKLY TEACHING HOURS		CREDITS	
Lectures			2		3
Laboratories			2		3
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		4		6	
COURSE TYPE general background, special background, specialised general knowledge, skills development	Optional/Ge	neral Backgrour	nd		
PREREQUISITE COURSES:	Internet Technologies				
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek				
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes				
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/131328/				

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

At the end of this course, the students should be able to:

- Be familiar with fundamental concepts, principles, functionalities and services of the Internet (e.g., Http, DNS, FTP).
- Understand concepts related to the management of content in the Web.
- To manage and use website development platforms and content management (CMS) such as Wix and WordPress.
- To implement/develop websites using proper technology.
- To develop web applications (e.g., e-shop, chatbot, forum, blog) on top of WordPress CMS.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Project planning and management Respect for difference and multiculturalism Respect for the natural environment

Adapting to new situations
Decision-making

Showing social, professional and ethical responsibility and

Working independently

sensitivity to gender issues

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Criticism and self-criticism

Production of free, creative and inductive thinking

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Others...

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- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Working independently
- Production of free, creative, and inductive thinking
- Transfer of know-how in other environments
- Working in an interdisciplinary environment
- Practice Critical Thinking

(3) SYLLABUS

The course focuses on the Internet and WWW technologies, emphasizing the content management systems (CMS) and the programming/development of Web applications using CMS WordPress. An initial overview of technologies related to computer networks, Internet, WWW, CMS, etc. is provided. Later, the distinction between simple tools for the development of websites and the CMS. The emphasis is given in both, presenting, and working with Bootstrap framework as well as with Wix/WordPress CMS respectively. Finally, Web applications are developed using WordPress CMS (forms, forums, blogs, databases, etc.).

Lectures/Lab structure:

- 1: HTML/CSS, CMS, WYSIWYG HTML/CSS editors (Intro)
- 2: BlueGriffon WYSIWYG content editor
- 3: Mobirise4 Bootstrap Website Builder
- 4: Google Sites
- 5-6: Wix CMS
- 7-10: WordPress CMS, Blogs, Wikis.
- 11-12: WordPress for Web Apps (e.g. forms, forums, newsletters, lists, 360/3d photo viewer, galleries)
- 13: Revision

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY Face-to-face

Face-to-face, Distance learning, etc.				
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Use of open source software for laboratory education or software with free license for Universities. Use ICT in			
Use of ICT in teaching, laboratory education, communication with students	teaching and communication with students. Also, the practice with W3Schools tutorials is proposed and demonstrated (https://www.w3schools.com/) and WordPress tutorial (https://learn.wordpress.com/).			
TEACHING METHODS				
The manner and methods of teaching are	Activity	Semester workload		
described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography,	Lectures	13 *2 hours =26 hours		
	Lectures' study	13*5 hours = 65 hours		
tutorials, placements, clinical practice, art	Laboratory Practice	13*2 = 26 hours		
workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.	Laboratory Preparation and semester assignment	40 hours		
The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS				

	Course total	157 hours	
CTUDENT REPEORANCE			
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure	The evaluation of students' performance is conducted during and at the end of the semester with assignments weighted a percentage of 100%.		
Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other	Students are familiar with the evaluation criteria from the first course lecture. All notes are stored in the course's area in University e-class platform (eclass.aegean.gr).		
Specifically-defined evaluation criteria are given, and if and where they are accessible to			

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliogr	aphy:					
WordPress for Web Developers	Stephani e Leary	Apress	2013	HEAL-Lin k Springer ebooks	9781430258674	73261091
Οπτικός Οδηγός του WordPress	Patrice-An ne Rutledge	Α. Γκιούρδα & ΣΙΑ	2014	Αθήνα	978-960-512-67 3-5	41955177

⁻ Related academic journals:

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