

COURSE OUTLINE

(1) GENERAL

SCHOOL	Social Sciences		
ACADEMIC UNIT	Department of Cultural Technology and Communication		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	KPLR 115	SEMESTER	7 th
COURSE TITLE	Content Management Systems in the WWW		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
	Lectures	1	3
	Lab sessions	2	2
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>		3	5
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Optional		
PREREQUISITE COURSES:	N/A		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/131153/		

(2) LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>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.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>
<p>Students completing the course successfully should be able to:</p> <ul style="list-style-type: none"> • Identify categories and instances of content management systems. • Understand the core functionalities of content management systems on the web. • Implement basic web-based content management features in PHP-MySQL. • Incorporate and use the capabilities of freely available content management systems to design and develop websites. • Install and configure content management systems on the World Wide Web • Identify and address underlying dependencies and correlations with other software platforms and components. • Integrate software components, modules and plugins and customize them according to the needs of the web applications • Interface external applications and services with CMS. • Develop basic web content management system functions in PHP-MySQL. • Develop and integrate software components into existing content management systems. • Define and manage different user groups and differentiate usage rights in SBS. • Configure the structure and manage multimodal web content through CMS. • Develop dynamic websites with real-time content processing capabilities.
<p>General Competences</p> <p><i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma</i></p>

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
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
.....
Others...
.....

- Collaboration and teamwork
- Search, analysis and synthesis of knowledge
- Promoting creative and inductive thinking
- Knowledge and know-how to other environments

(3) SYLLABUS

Content Management Systems (CMS) are web-based applications that allow the content of a website to be modified online. CMS allows content to be modified without the need for specialized knowledge about creating web pages or graphics. Website changes can be made from any PC connected to the Internet, without having to install special programs for editing web pages, graphics, etc. Through a simple browser, the user can update his site directly simply by inputting text. The course focuses on understanding the features of modern, popular CMS, with an emphasis on open source platforms. Additionally, the use of such CMSs to create websites with basic functional specifications, to change the look and feel of websites that are built using CMS, and to integrate new components to enhance website functionality.

(4) TEACHING and LEARNING METHODS - EVALUATION

<p style="text-align: center;">DELIVERY</p> <p style="text-align: center;"><i>Face-to-face, Distance learning, etc.</i></p>	<p>Face-to-face supported by Distance learning infrastructure and approaches</p>	
<p style="text-align: center;">USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</p> <p style="text-align: center;"><i>Use of ICT in teaching, laboratory education, communication with students</i></p>	<p>Online and open source software for lab sessions</p>	
<p style="text-align: center;">TEACHING METHODS</p> <p><i>The manner and methods of teaching are described in detail.</i></p> <p><i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i></p> <p><i>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</i></p>	Activity	Semester workload
	Lectures	13 *2 hours =26 hours
	Lecture material preparation	13*5 hours = 65 hours
	Lab sessions	13*2 = 26 hours
	Lab session preparations	30 hours
	Course total	147
<p style="text-align: center;">STUDENT PERFORMANCE EVALUATION</p> <p><i>Description of the evaluation procedure</i></p> <p><i>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</i></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p>	<p>Students are evaluated via a project delivered electronically to the teacher and presented / examined at the end of the semester.</p> <p>The evaluation criteria are known during the first lecture and are clearly stated in the material offered in the course's e-class.</p>	

(5) ATTACHED BIBLIOGRAPHY

<p><i>- Suggested bibliography:</i></p> <ul style="list-style-type: none"> • Bintu Harwani, Foundations of Joomla, Εκδόσεις Apress, 2015 (ISBN 9781484207499) • Κ. Ξαρχάκος, Μ. Μαγκατσέλας, Μαθαίνετε εύκολα Joomla 2.5, Εκδ. Ξαρχάκος, 2014. • Todd Tomlinson, Enterprise Drupal 8 Development, Εκδόσεις Apress, 2017 (Κωδικός Βιβλίου στον Εύδοξο: 75485199, ISBN 9781484202531) • Κ. Ξαρχάκος, Μαθαίνετε εύκολα WordPress 5.x, Εκδόσεις Άβακας, 2020 (Κωδικός Βιβλίου στον Εύδοξο: 94642762, ISBN: 978-960-6789-28-1) <p><i>- Related academic journals:</i></p> <ul style="list-style-type: none"> • International Journal of Web Engineering and Technology (IJWET) • International Journal of Web & Semantic Technology (IJWesT) • Journal of Computer Science and Technology – Springer • Journal of Web Semantics – Elsevier
