

COURSE OUTLINE

(1) GENERAL

SCHOOL	ENGINEERING		
ACADEMIC UNIT	ELECTRICAL AND COMPUTER ENGINEERING DEPT.		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	ECE_INF910	SEMESTER	9
COURSE TITLE	Digital forensics and legal issues of the Information Society		
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		3	
Seminars / Practice exercises		1	
Laboratory			
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).</i>		4	5
COURSE TYPE <i>general background, special background, specialised, general knowledge, skills development</i>	Specialised		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://www.ece.uop.gr/		

(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>The aim of the course is for the student to understand the areas where the judiciary meets and is determined by the ICT. At the end of the course the student will:</p> <p>At the knowledge level:</p> <ul style="list-style-type: none"> • Understand key aspects where ICT affects the national and European legal and institutional framework. • Understand the principles of digital evidence analysis in cases of cybercrime. <p>At the skill level:</p> <ul style="list-style-type: none"> • Document if a digital crime has been committed and analyze digital evidence (hard disks, log files, etc.) and be able to draw conclusions about the actions taken by a natural person. • To contribute as a consultant lawyers facing legal ICT issues. <p>At the level of abilities:</p> <ul style="list-style-type: none"> • Know the basic principles of the legal framework for information technology and telecommunications.

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
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment
Production of new research ideas	Others...

- Search, analyze and synthesize data and information, using the necessary technologies
- Decision making, Autonomous and teamwork
- Respect for diversity and multiculturalism
- Work in an interdisciplinary environment
- Practice criticism and self-criticism
- Promoting free, creative and inductive thinking

(3) SYLLABUS

The course is developed in 13 lectures.

- Introductory Concepts of Law with emphasis on ICT (Lectures 1,2 and 3)
- Forms of digital crime (Lecture 4)
- Introduction to time stamps, storage media analysis (Lectures 4, 5 and 6)
- Introduction to network analysis (Lectures 7 and 8)
- Introduction to log file analysis (Lectures 9 and 10)
- Study of cases of Greek and international jurisprudence (Lectures, 11, 12 and 13)

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face in classroom														
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	ICT is used to communicate with students and the disposal of the educational material, mainly through the eclass platform (announcements, lecture slides and other educational material, posting and submission of works, user groups, discussions, emails, exercises, glossary, multimedia), but also conventional e-mail is used.														
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <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> <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>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><i>Activity</i></th> <th style="text-align: center;"><i>Semester workload</i></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Lectures</td> <td style="text-align: center;">39</td> </tr> <tr> <td style="text-align: center;">Exercises</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">Bibliography studying</td> <td style="text-align: center;">26</td> </tr> <tr> <td style="text-align: center;">Studying at home</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">Projects</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">Course Total</td> <td style="text-align: center;">125 hours (5 ECTS)</td> </tr> </tbody> </table>	<i>Activity</i>	<i>Semester workload</i>	Lectures	39	Exercises	20	Bibliography studying	26	Studying at home	20	Projects	20	Course Total	125 hours (5 ECTS)
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<p>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>Written exam (70% of the final grade) which includes:</p> <ul style="list-style-type: none"> • Exercises solving • Multiple choice questions • Short answer questions <p>Project (30% of the final grade)</p> <p>The subject matter and the evaluation process are communicated to the students in the lecture hall and through e-class.</p>
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(5) ATTACHED BIBLIOGRAPHY

<p>- <i>Suggested bibliography:</i></p> <ul style="list-style-type: none"> • <i>Handbook of Digital Forensics and Investigation, συγγραφέας Eoghan Casey, ISBN 978-0-12-374267-4, Academic Press publications, 2009</i> • <i>The Basics of Digital Forensics The Primer for Getting Started in Digital Forensics, συγγραφέας John Sammons, ISBN 978-1-59749-661-2, Syngress publications, 2012</i> • <i>Computer and telecommunications law A. Maniatis 978-960-15-1591-7 Sakkoulas publications, 2006</i> • <i>The legal framework of telecommunications A. Xiros G. Emiris, Z. Thalea. 978-960-301-763-9 Sakkoulas publications, 2003</i> <p>- <i>Related academic journals:</i></p>
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