

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	SCHOOL OF ENGINEERING		
<b>ACADEMIC UNIT</b>	Department of Informatics and Computer Engineering		
<b>LEVEL OF STUDIES</b>	Undergraduate		
<b>COURSE CODE</b>	ICE-7404	<b>SEMESTER</b>	7 <sup>th</sup> , 9 <sup>th</sup>
<b>COURSE TITLE</b>	LAW & CYBERETHICS		
<b>INDEPENDENT TEACHING ACTIVITIES</b> 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		<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>
<b>Lectures</b>		3	
<b>Laboratories</b>		1	
		4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
<b>COURSE TYPE</b> general background, special background, specialised general knowledge, skills development	General Knowledge, Scientific Area		
<b>PREREQUISITE COURSES:</b>			
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	No		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.uniwa.gr/courses/ICE285/">https://eclass.uniwa.gr/courses/ICE285/</a>		

### (2) LEARNING OUTCOMES

<p><b>Learning outcomes</b></p> <p>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</p> <ul style="list-style-type: none"> <li>• Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</li> <li>• Descriptors for Levels 6, 7 &amp; 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</li> <li>• Guidelines for writing Learning Outcomes</li> </ul> <p>The course "Law &amp; Cyberethics" has, as an initial objective, to impart to the students of the Department basic legal knowledge and, subsequently, specific knowledge regarding the binding legal rules that govern all kinds of activities related to Information Technology, Communications and the Internet ("Informatics and Communications Law" or otherwise "Electronic Law"). The course material offers an extensive analysis in relation to the developments of new information technologies (ICT) in society and how these relate to issues of law and cyber ethics. Most of the areas in which ICT is applied and affected are examined, such as education, health, transport, environment, governance, social networking, etc. The developments in each area are also presented, with reference to the latest research and development results, trying to approach life and everyday life in the future society.</p> <p>The ultimate goal of the course is for students to understand the legal framework, obligations, and rights of both the citizen or business, as well as the IT and Computer Engineer.</p> <p>Upon successful completion of the theoretical course, students will be able to:</p> <ul style="list-style-type: none"> <li>▪ Recognize the ethical and social issues from the adoption and use of ICT and especially the Internet</li> <li>▪ Understand the possible effects of the application of ICT on an individual and social level</li> <li>▪ Recognize the legal dimensions of the adoption of new technological solutions</li> <li>▪ Understand the protection measures that should be taken when designing and operating</li> </ul>
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new applications

- Understand the applicable relevant law at the level of Greece and the European Union
- Design applications taking into account individual and social rights and applicable legislation
- Know issues of proper conduct of research works and projects
- Understand research protocols

In summary, the purpose of the course is about topics related to Information Law and Cyber Ethics. The student, after the end of the course will understand basic concepts and will possess essential knowledge in matters concerning privacy, confidentiality of communications, management, storage and processing of information, data protection, etc.

The ultimate goal of the course is for graduates to obtain a clear picture of the essential issues that concern modern man regarding protection against illegal activities and the current legislative framework in the constantly evolving technological and online environment.

The regulation of issues arising from the introduction and adoption of new technologies in every activity and industry is now imperative. In this context, suggestions are made so that the student can obtain a complete picture of the subjects in question and have essential knowledge so that he can design and develop technological applications that do not violate the applicable legislation. Thematic modules are developed which cover all possible dimensions of cyber ethics and law, such as: legal, social and technological aspects.

The learning outcomes of the course include, among others, the acquisition of basic knowledge from Legal Science and the introduction to Information Law and Information and Communication Technologies (ICT). This topic is directly related to the subject matter of the modern IT and Computer Engineer. In modern society, the exercise of any activity is governed by legal rules which the professional and citizen must learn in order to be able to protect himself and his fellow man. Ignorance of the law is not justified in any profession, while the rights and obligations arising from each legislative decree are mandatory knowledge for the modern student and professional.

The course material covers the most up-to-date aspects of Law and Cyber-Ethics, while it is constantly updated in order to include every new development.

The teaching of the course attempts to answer all questions of a legal nature that arise from the use of new technologies in order to prepare students for their professional career with knowledge required for the correct and ethical practice of the Information and Communications Engineer. At the same time, it gives them the impetus and background to be able to search for legal issues related to their subject and to be able to research in specialized areas of interest. Finally, students learn to think outside of the strictly technological level, so that they can meet the needs of themselves and modern businesses in the ICT sector.

### **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...
	.....

- Teamwork
- Respect for diversity and multiculturalism
- Exercise criticism and self-criticism
- Promotion of free, creative and inductive thinking
- Adaptation to new situations
- Work in an interdisciplinary environment
- Demonstration of social, professional and ethical responsibility
- Sensitivity to issues of equality and equal treatment

- Making decisions taking into account the wider environment
- Promotion of new research ideas

### **(3) SYLLABUS**

- Introductory Principles of Law and Legislation
- Commercial Law, Contracts - Procurement
- IT Contracts
- Software Licensing, Computer Program Protection, Piracy
- Cybercrime
- Electronic Funds Transfer
- Patent – Invention
- Intellectual Property – Industrial Property (plagiarism, software protection, open source software, etc.)
- Processing and Protection of Personal Data - General data Protection Regulation
- Protection and de-privacy of communication
- Legal issues (security of information, information systems and networks, identity management during electronic communication, etc.)
- The freedom of speech in KtP
- Illegal and unfair content
- E-commerce and Digital Certificates
- Issues of contracts and electronic contracts
- Information, advertising and responsibility in electronic commerce
- The obligations and rights of providers and users in the Code
- The research of legal sources by IT means
- Fundamental rights in relation to the Internet and telecommunications
- Electronic communications regulatory framework (competition, licensing, personal data processing)
- Cybercrime
- Bullying
- Valid Legislation in the development of technological solutions
- Issues and concerns regarding the creation of user profiles
- Cyber security issues
- Electronic signatures
- Issues of equality and equal treatment
- World Wide Web Consortium initiative (W3C)
- Guidance on child safety and protection in cyberspace
- Students and parents online
- Bioethics

**(4) TEACHING and LEARNING METHODS - EVALUATION**

<b>DELIVERY</b> Face-to-face, Distance learning, etc.	Face-to-face	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>  Use of ICT in teaching, laboratory education, communication with students	(a) Use of slides. (b) Supporting the learning process through the Department's e-learning platform. (c) Communication with students via e-mail and/or the department's e-learning platform.	
<b>TEACHING METHODS</b>  The manner and methods of teaching are described in detail. 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.  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	<b>Activity</b>	<b>Semester workload</b>
	Lectures	39
	Laboratory practice	13
	Assignments	21
	Independent personal study	52
	<b>Course total</b>	<b>125</b>
<b>STUDENT PERFORMANCE EVALUATION</b>  Description of the evaluation procedure  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  Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	I. Written final exams (100%) that includes: <ul style="list-style-type: none"> <li>- Questions related to basic concepts of legislation</li> <li>- Present legal problems in the form of scenarios and solve them.</li> </ul>	

**(5) ATTACHED BIBLIOGRAPHY**

<p>- Suggested bibliography (Greek)</p> <ol style="list-style-type: none"> <li>1. Κουμπούρος, Ι., Τεχνολογίες Πληροφοριών και Επικοινωνίας &amp; Κοινωνία, Εκδόσεις Νέων Τεχνολογιών, 1η έκδοση, 2012</li> <li>2. Π.ΓΙΑΝΝΑΚΟΠΟΥΛΟΣ, ΠΛΗΡΟΦΟΡΙΚΗ &amp; ΚΟΙΝΩΝΙΑ, αυτοέκδοση, ISBN: 978-960-931326-1</li> <li>3. Παπακωνσταντίνου Ευάγγελος, "Δίκαιο Πληροφορικής", 2η έκδοση, Εκδόσεις Σάκκουλα, 2010, ISBN: 978-960-445-592-8</li> <li>4. Αλεξανδρίδου Ελίζα, "Το δίκαιο του ηλεκτρονικού εμπορίου", Β' έκδοση, Εκδόσεις Σάκκουλα, 2010, ISBN: 978-960-445-551-5</li> <li>5. Ιγγλεζάκης Ιωάννης, "Το νομικό πλαίσιο του ηλεκτρονικού εμπορίου", 2003, ISBN: 978-960-301-817-1</li> <li>6. Σωτηρόπουλος, Β., Αρμαμέντος Π., Προσωπικά Δεδομένα – Ερμηνεία Ν. 2472/97, Εκδόσεις Σάκκουλα, 2005, ISBN 960-301-948-8</li> <li>7. Σωτηρόπουλος, Β., Η συνταγματική προστασία των προσωπικών δεδομένων, Εκδόσεις Σάκκουλα, 2006, ISBN 960-445-044-1</li> </ol>
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9. Καρακώστας, Ι., Δίκαιο & Internet – Νομικά ζητήματα του Διαδικτύου, Εκδόσεις Π.Ν. Σάκκουλα, 2001, ISBN 960-420-154-9
10. Μαρίνος, Α., Το Διαδίκτυο – στην εποχή της «παγκοσμιοποίησης» και στο πλαίσιο της «κοινωνίας των πολιτών», Εκδόσεις Αντ. Σάκκουλα, 2003, ISBN 960-15-1002-8
11. Σιδηρόπουλος, Θ., Το δίκαιο του διαδικτύου, Εκδόσεις Σάκκουλα, 2003, ISBN 960-301-751-5
12. Νούσκαλης, Γ., Ποινική Προστασία Προγράμματος Η/Υ, Εκδόσεις Σάκκουλα, 2003, ISBN 960-301-707-8
13. Καλλινίκου, Δ., Πνευματική ιδιοκτησία και Internet, Εκδόσεις Π. Σάκκουλα, 2001, ISBN 960-420-155-7
14. Ιγγλεζάκης, Ι., Εισαγωγή στο δίκαιο της πληροφορικής, Εκδόσεις Σάκκουλα, 2006, ISBN 960-445-119-7
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- Suggested bibliography (Foreign):

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2. Reed, C. / Angel, J., Computer Law – The law and regulation of Information Technology, oxford University Press, 2007
3. Todd, P., E-commerce law, Cavendish publishing, 2005, ISBN 1-85941-942-9
4. Holt, J. / Newton, J., A manager's guide to IT Law, The British Computer Society, 2004
5. Reed, C., Internet Law – Text and Material, 2004, ISBN 0-521-60522-9
6. Singleton, S., ECommerce: A Practical Guide to the Law (Paperback) Gower, 2003, ISBN 0-566-08515-1
7. Smith, G., Internet Law and Regulation (Hardcover) Sweet & Maxwell, 4th edition, 2007
8. Nandan, K., Law Relating to Computers Internet and E-commerce: A Guide to Cyberlaws and the Information Technology Act, 2000 with Rules, Regulations and Notifications (Hardcover) 2007
9. Kuner, C., European Data Protection Law: Corporate Compliance and Regulation (Hardcover) Oxford, 2nd edition, 2007
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- Related academic journals:

- International Journal of Cyber Criminology (IJCC)
- Technology in Society, Elsevier