COURSE OUTLINE

(1) GENERAL

SCHOOL	SOCIAL SCIENCES			
ACADEMIC UNIT	DEPARTMENT OF CULTURAL TECHNOLOGY AND			
	COMMUNICATION			
LEVEL OF STUDIES	UNDERGRADUATE			
COURSE CODE	POL 219	SEMESTER 6 th		
COURSE TITLE	PRIVACY AND DATA PROTECTION			
INDEPENDENT TEACHING ACTIVITIES 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		WEEKLY TEACHING HOURS	CREDITS	
Lectures		3	5	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).				
COURSE TYPE	Core Course/General Background/Skills Development			
general background,				
special background, specialised general				
	None			
PREREQUISITE COURSES:	None			
LANGUAGE OF INSTRUCTION and	Greek			
EXAMINATIONS:				
IS THE COURSE OFFERED TO	Yes			
ERASMUS STUDENTS				
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/131414/			

(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

After the completion of the specific course students will be able to:

- Know the basic privacy terminology
- Understand the basic principles of General Data Protection Regulation (GDPR)
- Know and apply the concept of privacy by design
- Know and apply a Data Protection Impact Assessment (DPIA)
- Know the methods available for designing privacy aware systems
- Know a number of available privacy enhancing technologies used during system development.
- Understand the concept of intellectual property, the risks and the available ways for protecting digital content and users' rights in online environments.

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, Project planning and management 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

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...

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

(3) SYLLABUS

Protecting users' privacy in modern Information Systems is of vital importance especially during design and implementation stages. The rapid development of personalized web-based services used from a continuously increasing number of online users have led the service owners to collect, store and process users' private data in order to increase service innovation offered to them. In parallel, the degree of the newly presented threats that aim on reveling users' identity as well as on gaining unauthorized access on their personal data is increasing dramatically. The aim of this course is the reveal and presentation of the basic privacy issues that concern analysts and developers when realizing an Information System.

Lectures			
1.	Introduction – Course Goals and Objectives – Description of lectures		
2.	Conceptual Founding of Privacy		
3.	Privacy Framework – ISO 29100		
4.	Privacy Architecture Framework – ISO 29101		
5.	Privacy by Design		
6.	Privacy Requirements Engineering Methods		
7.	Case Study I		
8.	The General Data Protection Regulation (GDPR)		
9.	Data Protection Impact Assessment (DPIA)		
10.	Privacy Enhancing Technologies		
11.	Privacy, Internet and Social Media		
12.	Projects defense and evaluation		
13.	Revision		

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face			
Face-to-face, Distance learning, etc. USE OF INFORMATION AND	Use ICT in teaching, communication with students.			
COMMUNICATIONS TECHNOLOGY				
Use of ICT in teaching, laboratory education, communication with students				
TEACHING METHODS	Activity	Semester workload		
The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of biblioaraphy,	Lectures	13 *3 hours = 39 hours		
	Lectures' study	13*2 hours = 26 hours		
	Semester Project	13*3 hours = 39 hours		
tutorials, placements, clinical practice, art	Project Preparation	13*2 hours = 26 hours		
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	Course total	130 hours		
STUDENT PERFORMANCE	The final evaluation is accomplished with a written exam at			
EVALUATION	the end of the semester and with the implementation of a			
Description of the evaluation procedure	semester project. Students are examined with open notes.			
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	Students are familiar with the evaluation criteria during the initial course lecture at the beginning of the semester and are stored throughout the semester in the course's area in eclass (eclass agrean gr)			
presentation, laboratory work, clinical	The evaluation of students is based on the grade of the final			
examination of patient, art interpretation, other	written examination in all the taught material at a rate of			
Specifically-defined evaluation criteria are	60% and a project exercise that receives 40% of the grade.			
given, and if and where they are accessible to		_		
students.				

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- ΛΑΜΠΡΙΝΟΥΔΑΚΗΣ ΜΗΤΡΟΥ ΓΚΡΙΤΖΑΛΗΣ Σ. ΚΑΤΣΙΚΑΣ (2010), Προστασία της Ιδιωτικότητας & Τεχνολογίες Πληροφορικής & Επικοινωνιών, ΠΑΠΑΣΩΤΗΡΙΟΥ, Αθήνα
- Σ. ΓΚΡΙΤΖΑΛΗΣ, Δ. ΓΚΡΙΤΖΑΛΗΣ, Σ. ΚΑΤΣΙΚΑΣ (2003), Ασφάλεια Δικτύων Υπολογιστών
- ΠΑΠΑΣΩΤΗΡΙΟΥ, Αθήνα
- ΚΑΤΣΙΚΑΣ ΓΚΡΙΤΖΑΛΗΣ Δ. ΓΚΡΙΤΖΑΛΗΣ Σ. (2004), Ασφάλεια Πληροφοριακών Συστημάτων, ΕΚΔΟΣΕΙΣ ΝΕΩΝ ΤΕΧΝΟΛΟΓΙΩΝ ΜΟΝ. ΕΠΕ, Αθήνα
- A. ACQUISTI, S. GRITZALIS, C. LAMBRINOUDAKIS, S. DE CAPITANI DI VIMERCATI (Eds) (2008) Digital Privacy, Theory, Technology and Practices., Auerbach Publications

- Related academic journals:

- IEEE Security and Privacy Magazine, IEEE
- International Journal of Information Security, Springer
- Computers and Security, Elsevier
- Requirements Engineering, Springer
- IEEE Transactions on Software Engineering, IEEE
- Security and Communication Networks, Wiley
- Information Management and Computer Security, Emerald

- International Journal on Advances in Security, IARIA
- Journal of Information Security and Applications, Elsevier