

Course Unit	Ethics and Law in Informatics	Field of study	Law
Master in	Informatics	School	School of Technology and Management
Academic Year	2023/2024	Year of study	1
Type	Semestral	Semester	1
Workload (hours)	162	Contact hours	T - TP 60 PL - TC - S - E - OT - O -
		Level	2-1
		ECTS credits	6.0
		Code	5060-710-1101-00-23

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Paula Odete Fernandes, Berta Isabel Gomes Goncalves

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand the responsibility of the technical knowledge acquired in the area of information technology;
2. Question, reflect and discuss on the value of human conduct having as fundamental value the idea of good;
3. Examine his own ethical standards in order to ensure that they are reasonable and well-founded;
4. Grasp very basic notions of law;
5. Know the rights considered fundamental to human life
6. Know the most relevant legal instruments in the field of computer science;
7. Develop a computer-related activity within the limits of lawfulness;
8. Refrain from the practice of acts, in the context of computer science, that generate civil, disciplinary, administrative, fiscal and criminal liability.

Prerequisites

Before the course unit the learner is expected to be able to:
No prerequisites.

Course contents

Ethics in the field of informatics. Law: elementary introduction and the relationship with ethics; the legal relationship; rights considered fundamental to human life; the rights of personality; protection of personal data; electronic commerce; taxation basics; protection of intellectual property; computer crime;

Course contents (extended version)

1. Introduction to ethics
2. Relevance of ethics in computing
3. Different ethical approaches
4. Codes of conduct
5. Elementary introduction to law
6. Relationship between law and ethics
7. Basic principles of portuguese civil law
8. Structure of the legal relationship and its elements
9. Rights considered fundamental to human life
10. Rights of personality
11. Protection of personal data
12. Electronic commerce
13. Computer contracts
14. Protection of intellectual property
15. Cyber crime
16. General aspects of taxation
17. Taxation of electronic commerce

Recommended reading

1. Blundell, B. G. (2020). Ethics in Computing, Science, and Engineering: A Student's Guide to Doing Things Right. Cham, Switzerland: Springer. ISBN: 978-3-030-27126-8
2. Hildebrandt, M. (2020). Law for Computer Scientists and Other Folk. Oxford, UK: Oxford. ISBN: 978-0-19-886088-4
3. Kälin, W. , & Künzli, J. (2019). The Law of International Human Rights Protection (2nd ed.). Oxford, UK: Oxford. ISBN: 978-0-19-882569-2
4. Miller, K. W. , & Taddeo, M. (2020). The Ethics of Information Technologies. Abingdon, UK: Routledge. ISBN: 9781003075011
5. Weckert, J. (2017). Computer Ethics. Abingdon. UK: Routledge. ISBN: 9781315259697

Teaching and learning methods

Each module of two hours will consist on a lecture, with the aid of means of visual support, interrupted by the punctual organization of exercises and discussion of the exposed subjects.

Assessment methods

1. Written test - (Regular, Student Worker) (Final, Supplementary, Special)
 - Final Written Exam - 100%
2. Continuous assessment - (Regular, Student Worker) (Final)
 - Intermediate Written Test - 50%
 - Practical Work - 50%

Language of instruction

English

Electronic validation

Paula Odete Fernandes	Joaquim Agostinho Mendes Leite	José Eduardo Moreira Fernandes	José Carlos Rufino Amaro
10-10-2023	10-10-2023	30-10-2023	04-11-2023