COURSE DESCRIPTION

COURSE DETAILS

Title (of the course): **LEGISLACIÓN Y ESTANDARIZACIÓN**
Code: 101404
Degree/Master: **GRADO DE INGENIERÍA INFORMÁTICA** Year: 3
Name of the module to which it belongs: OBLIGATORIO TECNOLOGÍA INFORMÁTICA
Field: LEGISLACIÓN Y ESTANDARIZACIÓN
Character: OBLIGATORIA Duration: SECOND TERM
ECTS Credits: 6.0 Classroom hours: 60
Face-to-face classroom percentage: 40.0% Study hours: 90
Online platform: https://moodle.uco.es/m2223/course/view.php?id=2198

LECTURER INFORMATION

Name: ARAUZO AZOFRA, ANTONIO (Coordinator)
Department: INGENIERÍA RURAL, CONSTRUCCIONES CIVILES Y PROYECTOS DE INGENIERÍA
Area: PROYECTOS DE INGENIERÍA
Office location: Leonardo da Vinci, Planta Baja LV2B100
E-Mail: antonio.arauzo (at) uco.es Phone: +34 - 6365 321 72
URL web: http://ax5.com/antonio/

Name: BAYANO TEJERO, SERGIO
Department: INGENIERÍA RURAL, CONSTRUCCIONES CIVILES Y PROYECTOS DE INGENIERÍA
Area: PROYECTOS DE INGENIERÍA
Office location: Campus de Rabanales-Edif. Leonardo Da Vinci
E-Mail: p52bates@uco.es Phone: 957 21 85 50

PREREQUISITES AND RECOMMENDATIONS

Prerequisites established in the study plan

None

Recommendations

None specified

INTENDED LEARNING OUTCOMES

CB3	Students have the ability to gather and interpret relevant data in the field of computer engineering to inform judgements that include reflection on relevant social, scientific or ethical issues.
CEC18	Knowledge of the rules and regulations regarding the computer sciences at the national, European and international levels.
CTEIS1	Ability to develop, maintain and evaluate software services and systems to meet all user requirements and behave reliably and efficiently, are affordable to develop and maintain and comply with quality standards, applying the theories, principles, methods and practices Software Engineering.
CTEIC6	Ability to understand, implement and manage the security and safety of computer systems.
CTEC7	Ability to learn and develop computational learning techniques and design and implement applications and systems that use them, including those for the automatic extraction of information.

COURSE DESCRIPTION

OBJECTIVES

Study the implications of law and standardization for Computer Engineering and IT projects, from a national, european and international perspective.
Get to know organizations and standardization process.
Identify the standards that are required or widely applied and being able to analyze its content and apply them effectively in IT projects, whether in its design or in its management.

CONTENT

1. Theory contents

1. Definition and classification of standards.
2. Standardization bodies. Standard development processes.
3. Standards deployment. Certification.
4. Networking standards.
5. File format definition: office documents, graphics, audio and video.
6. Web standards and accessibility.
7. Standards for developing and documenting projects.
8. Information security standards.
9. Information services standards.
10. Law principles and regulatory bodies.
11. Legal aspects of on-line activities (Internet).
12. Cybercrime.
13. Contracts. IT public procurement.
14. Intelectual property: authors' rights and copyright.
15. Intelectial property: Trademarks and patents.
16. Software licenses and content licenses.
17. Privacy and data protection.

2. Practical contents

1. Search for standards and law.
2. Analyze standards and law.
3. Application of standards and accordance with the law.
4. Verification of compliance with standards.

SUSTAINABLE DEVELOPMENT GOALS RELATED TO THE CONTENT

Decent work and economic growth
Responsible consumption and production
Peace, justice and strong institutions

COURSE DESCRIPTION

METHODOLOGY

Methodological adaptations for part-time students and students with disabilities and special educational needs

Most activities could be made online. However, it is compulsory to attend some activities for evaluation and group working. Any special case should be reported to the professor at the begining of the course and the most similar alternative activities agreed from the beginning.

Face-to-face activities

Activity	Large group	Medium group	Total
Assessment activities	3	-	3
Case study	-	10	10
Debates	4	-	4
Group presentation	4	-	4
Group work (cooperative)	2	8	10
Lectures	14	-	14
Seminar	2	-	2
Text analysis	6	5	11
Tutorials	1	1	2
Total hours:	***36***	***24***	***60***

Off-site activities

Activity	Total
Analysis	8
Exercises	4
Group work	20
Information search	8
Reference search	6
Self-study	44
Total hours	***90***

COURSE DESCRIPTION

WORK MATERIALS FOR STUDENTS

Case studies - *http://moodle.uco.es/moodlemap/*
Exercises and activities - *http://moodle.uco.es/moodlemap/*

EVALUATION

Intended learning	Document Analysis	Exams	Placement reports	Project
CB3	X	X	X	X
CEC18	X	X	X	X
CTEC7	X			X
CTEIC6	X			X
CTEIS1	X			X
Total (100%)	***15%***	***50%***	***15%***	***20%***
Minimum grade	***2***	***2***	***2***	***2***

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

Attendance will be assessed?:

No

General clarifications on instruments for evaluation:

Some activities have deadlines. Once the deadline has passed, depending on the type of activity, either its hand in will not be accepted or a penalty will be applied.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

Most activities could be made online. However, it is compulsory to attend some activities for evaluation and group working. Any special case should be reported to the professor at the begining of the course. Similar alternative activities will be agreed from the beginning.

Clarifications on the evaluation of the extraordinary call and extra-ordinary call for completion studies:

In extraordinary exam calls, the grade achieved in the evaluation of activities done in the previous call with a period of classes will be kept. For those non passed activities in previous call, the student can request the professor to replace them. They will be replaced by similar activities or an exam at the discretion of the professor.

COURSE DESCRIPTION

Qualifying criteria for obtaining honors:

Among those who achieved an excellent grade, those with the highest grades.

BIBLIOGRAPHY

1. Basic Bibliography

De Vries, Henk, Feilzer, Albert, Hesser, Wilfried, et al. Standardisation in companies and markets. 2010. Wilfried Hesser, www.pro-norm.de

M. Bain, M. Gallego, M. Martinez Rivas and J. Rius. Legal aspects of the information society. 2010. Free Technology Academy and Universidat Oberta de Catalunya. PDF disponible en: http://ftacademy.org/materials/fsm/6

2. Further reading

ITIL Continual Service Improvement. London : The Stationary Office (TSO), 2010.
ITIL Service Design. London : The Stationary Office (TSO), 2010.
ITIL Service Strategy. London : The Stationary Office (TSO), 2010.
ITIL Service Operation. London : The Stationary Office (TSO), 2010.
ITIL Service Transition. London : The Stationary Office (TSO), 2010.
Chris Reed, John Angel. Computer Law: The Law and Regulation of Information Technology. 2007. Oxford. ISBN:978-0199205967.
Bainbridge, David I. Introduction to information technology law. 2008. Longman
World Wide Web Consortium (W3C). Ult. consulta: 2012. http://www.w3.org/
IEEE Standards Association. Ult. consulta: 2012. http://standards.ieee.org/

COORDINATION CRITERIA

Common learning outcomes
Tasks deadlines

The methodological strategies and the evaluation system contemplated in this Course Description will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.