## Computer engineering legal and ethical issues

**Academic Year: ( 2019 / 2020 )**  **Review date: 23/04/2020 18:20:22**

**Department assigned to the subject:**

**Coordinating teacher: SERNA BILBAO, MARIA NIEVES DE LA**

**Type: Compulsory  ECTS Credits : 3.0**

**Year : 1 Semester : 1**

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Neither

## OBJECTIVES

Specific powers of the matter:
1.- Ability to identify data protection regulations (national and European) and evaluate the application thereof and, in particular, adopt appropriate security measures.
2.- Ability to understand and apply ethical responsibility and professional deontology of the activity of the Computer Engineer profession.
3.- Know the regulations governing application in Computer Engineering.

## DESCRIPTION OF CONTENTS: PROGRAMME

PROGRAM
1. Computers and Law.
2. Protection of Personal Data .
3. Services Information Society and Electronic Contracting .
4. Electronic Signature and Electronic Administration .
5. Intellectual Property.
6. Criminal and penal law in the Internet age .
7. Computer Professional Ethics : Codes of Conduct.

## LEARNING ACTIVITIES AND METHODOLOGY

    Master classes
Oriented to the teaching of specific skills matter. They present the knowledge that students should acquire. To facilitate their development, students will receive lecture notes and key reference texts will allow them to complete and examine those issues which are most concerned. Likewise, students have access to legal texts regulatory requirements for the acquisition of basic legal knowledge and ethical codes studied.
    Sessions resolution of practical cases.
o In these sessions the students, with help from teachers, solve practical problems and analyze the case related to the subject. In particular, sessions will be devoted to practical problems related to processing various legal issues such as protection of personal data, electronic contracting and civil and criminal liability in the field of Computer Engineering. Also, students face ethical dilemmas in the field of exercise of their profession. Specific activities will include the search for oral information and reporting.
Directed academic activities.
Using as a base or problems and cases decided at meetings of case studies, students will face more complex problems could be solved individually or in groups.
. Personal work-study student. In addition to personal study by the student, may include preparation of papers and cases, additional readings and other activities. Seeks to facilitate the acquisition of the capacity for self organization and planning of individual work and learning process.

## ASSESSMENT SYSTEM

**% end-of-term-examination/test:** 60

**% of continuous assessment (assigments, laboratory, practicals…):** 40

The evaluation has as mission to know the degree of fulfillment of the learning objectives, for that reason all the work of the student, individual or collective, will be valued, through the continuous evaluation of its activities through the exercises and exams, practical works and other activities academic formative.

A formative evaluation will be carried out through the continuous feedback, which allows evaluating what the student knows and what is expected of him.

The final grade will take into account the student's individual activities and team activities. The evaluation of the activities carried out during the course, individual or in group, will be exposed by the teacher at the beginning of the course and posted in AULA GLOBAL. If this does not happen, 40% of the continuous assessment grade will be assessed according to the activities, while the final individual exam will constitute the remaining 60%.

Extraordinary evaluation

In this evaluation there will be a final exam that will be specified by the teacher in AULA GLOBAL.

## BASIC BIBLIOGRAPHY

- DE LA SERNA, FONSECA, GALAN, GUTIERREZ DERECHO DE LAS TECNOLOGIAS DE LA INFORMACION, OPEN COURSE WARE UC3M  http://ocw.uc3m.es/derecho-administrativo/derecho-de-las-tecnologias-de-la-informacion, 2014

## BASIC ELECTRONIC RESOURCES

- DE LA SERNA, FONSECA, GALAN, GUITIERREZ . DERECHO DE LAS TECNOLOGIAS DE LA INFORMACIÓN: //http://ocw.uc3m.es/derecho-administrativo/derecho-de-las-tecnologias-de-la-informacion