60933 - Integration of technologies and telecommunication systems

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	533 - Master's Degree in Telecommunications Engineering
ECTS	5.0
Course	2
Period	First semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

The learning process is based on the following methodological activities:

M1. Participatory lectures. Presentation by the teacher of the main contents of the subject, combined with the active participation of students. This activity will take place in the classroom. This methodology, supported by individual study of the student (M14), is designed to provide students with the theoretical aspects of the content.

M8: Classroom practices. In which problem solving and practical cases proposed by the teacher of the fundamentals

presented in lectures, with the possibility of exposing them by students individually or in groups. This activity will take place in the classroom.

M9: Laboratory practices. Where students in small groups made a series of practical work.

M4: Tutored practical work. Performing practical work in groups, tutored by the teacher.

M10: Tutoring. Hours personalized attention to students with the aim of reviewing and discussing the materials and topics presented in both theoretical and practical classes.

M11: Evaluation. Set of test used in the evaluation of student progress. The detail is in the corresponding assessment activities section.

5.2.Learning activities

The learning activities that students are offered to help you achieve the expected results are ...
Lectures by renowned experts.

Lectures of introduction of different technologies.

Tutored practical classes making small projects.

Development of practical work either way individal or group.

5.3.Program

The program is ...

Scenarios application of ICTs in different sectors.

Introduction to Design Thinking.

Introduction to LabView. Application to practical cases.

Introduction to Arduino and Arduino development projects.

Development of small projects.

Presentation of projects using innovative techniques.

5.4.Planning and scheduling

Schedule sessions and presentation of works.

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The timing of the subject, both the contact hours, as the laboratory sessions will be defined by the center in the academic calendar of the corresponding course.

5.5.Bibliography and recomended resources

There are not bibliographic records for this subject.