Universidad Zaragoza

Year : 2019/20

30339 - Radio-Communication Systems

Syllabus Information

Academic Year: 2019/20
Subject: 30339 - Radio-Communication Systems
Faculty / School: 110 - Escuela de Ingeniería y Arquitectura
Degree: 438 - Bachelor's Degree in Telecomunications Technology and Services Engineering
ECTS: 6.0
Year: 4
Semester: First semester
Subject Type: Compulsory
Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such:

1. Lectures (40 hours).
2. Problems (10 hours)
3. Laboratory (10 hours): 5 sessions of 2 hours each.
4. Group assignments.
5. Academic tutoring.

4.2.Learning tasks

The course includes the following learning tasks:

- Lectures: 40 hours presenting the contents of the course
- Problems: 10 hours resolving problems and practice cases
- Laboratory assignments: 5 sessions of 2 hours each
- Group assignments: each group of students, under the supervision of a teacher, will be asigned a case study related to radio communication systems

4.3.Syllabus

The course will address the following topics:

1. **Terrestrial Fixed Radiolinks**
2. **Mobile Communications**
3. **Satellite Communications**
4. **Broadcasting systems**
5. **Radar systems.**

LAB activities.

During the course, some supervised works will be carried out as well as some seminars.

4.4.Course planning and calendar

The calendar will be set by the EINA.

The schedule for lecture and laboratory sessions and the evaluation dates will be provided by the EINA before the beginning of the semester.

4.5.Bibliography and recommended resources

Bibliography available in:

http://biblos.unizar.es/br/br_citas.php?codigo=30339&year=2019

Additionally, course notes will be available in the mooddle platform of Universidad de Zaragoza.