

Academic Year/course: 2021/22

30381 - Mobile and satellite communications

Syllabus Information

Academic Year: 2021/22

Subject: 30381 - Mobile and satellite communications

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 581 - Bachelor's Degree in Telecommunications Technology and Services Engineering

ECTS: 6.0

Year: 4

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

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:

Lectures (40 hours).

Problems (10 hours)

Laboratory (10 hours): 5 sessions of 2 hours each.

Group assignments.

Academic tutoring.

4.2. Learning tasks

The course includes the following learning tasks:

Lectures: 38 hours presenting the contents of the course

Problems: 10 hours resolving problems and practice cases

Laboratory assignments: 6 sessions of 2 hours each

Group assignments: each group of students, under the supervision of a teacher, will be assigned a case study related to radio communication systems

4.3. Syllabus

The course will address the following topics:

Mobile Communications

Geopositioning Systems

Satellite Communications

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://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30381>

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