

30337 - Telecommunications Services and Systems

Syllabus Information

Academic Year: 2019/20

Subject: 30337 - Telecommunications Services and Systems

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 438 - Bachelor's Degree in Telecommunications Technology and Services Engineering

ECTS: 6.0

Year: 3

Semester: Second semester

Subject Type: ---

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 as:

1. Lectures (42 hours).
2. Problems (10 hours)
3. Laboratory (8 hours): 4 sessions of 2 hours each.
4. Group assignments.
5. Academic tutoring.

4.2.Learning tasks

The course includes the following learning tasks:

Lectures: 42 hours presenting the contents of the course

Problems: 10 hours resolving problems and practice cases

Laboratory assignments: 4 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 telecommunication systems

4.3.Syllabus

The course will address the following topics:

- 1. International Telecommunication Organizations and Normative.**
- 2. Telecommunication Infrastructures.**
- 3. Positioning Systems**
- 4. Fixed Systems and Services**
- 5. Mobile Systems and Services**
- 6. Broadcasting Systems and Services**

4.4.Course planning and calendar

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

4.5.Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=30337&year=2019