

30734 - Conditioning and Services 2

Syllabus Information

Academic Year: 2019/20

Subject: 30734 - Conditioning and Services 2

Faculty / School: 110 -

Degree: 470 - Bachelor's Degree in Architecture Studies

ECTS: 6.0

Year: 4

Semester: Second 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 course consists of a theoretical part in which knowledge concerning the most important building supply facilities, drainage and ventilation are introduced, whereas complementary facilities will be directly studied in practical classes by means of applying them to projects.

Practical activities are devoted to the development of an execution project and technical detailing of the facilities of a multifamily housing building designed by students in previous courses. The exercises are performed in groups of 3-4 students during the semester and are supervised during the course, thus allowing a continuous evaluation.

Complementarily on site works visits and practical exercises are done in class.

4.2.Learning tasks

The program that students are offered to help them achieve the expected results includes

Total hours of student work: 150 hours (6 ECTS)

Theoretical credits: 75 hours (3 ECTS)

Practical credits: 75 hours (3 ECTS)

Classroom activities

1. Theoretical and problems resolution classes (large group).
2. Practical classes (intermediate group).
 - Case study discussions.
 - Tutorial sessions.
3. Visits to on-site building constructions, buildings or conferences.
4. Scheduled tutoring.
5. Written test

Distance activities

6. Studying and individual work.
7. Performing tasks and projects individually and/or in small groups.

4.3.Syllabus

- Introduction to service facilities.
- Facilities of cold water.
- Hot water installations.
- Security in case of fire.
- Sanitation facilities.
- Gas installations.
- Indoor air quality.
- Electricity installations and grounding.
- Artificial lighting.
- Joint telecommunications structure .
- Vertical transportation.
- Collection and disposal of waste.
- Security against the action of lightning.

4.4.Course planning and calendar

Theoretical classes of 2 hours per week according to the School schedule.

Practical classes of 2 hours per week according to the School schedule.

The course assignments will have partial pre-delivery and final delivery dates that will be defined at the beginning of the course.

The date of the theoretical test will be included in the School exams calendar.

4.5.Bibliography and recommended resources