Universidad Zaragoza

Year : 2019/20

28623 - Structures III: Different Structures

Syllabus Information

Academic Year: 2019/20
Subject: 28623 - Structures III: Different Structures
Faculty / School: 175 - Escuela Universitaria Politécnica de La Almunia
Degree: 422 - Bachelor's Degree in Building Engineering
ECTS: 6.0
Year: 3
Semester: First semester
Subject Type: Compulsory
Module: ---

1.General information

1.1.Aims of the course

The subject and its expected results respond to the following approaches and objectives:

To become familiar with the work prior to the constructive activity itself, that is, to presci

1.2.Context and importance of this course in the degree

The subject of Structures III, is part of the Degree in Technical Architecture taught by EUPLA

This subject provides additional useful training in the performance of technical architect fur

The need of the subject within the curriculum of the present degree is more than justified and

1.3.Recommendations to take this course

No requirements of previous knowledge, beyond those marked by the Ministry of Education and Sc

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 learning process designed for this subject is based on the following:

Strong interaction between the teacher/student. This interaction is brought into being through a division of work and responsibilities between the students and the teacher. Nevertheless, it must be taken into account that, to a certain degree, students can set their learning pace based on their own needs and availability, following the guidelines set by the teacher.

The current subject Estructuras III, is conceived as a stand-alone combination of contents, yet organized into three fundamental and complementary forms, which are: the theoretical concepts of each teaching unit, the solving of problems or resolution of questions and laboratory work, at the same time supported by other activities

4.2.Learning tasks

Involves the active participation of the student, in a way that the results achieved in the learning process are developed, not taking away from those already set out, the activities are the following:

? **Face-to-face generic activities**:

? **Theory Classes**: The theoretical concepts of the subject are explained and illustrative examples are developed as support to the theory when necessary.

? **Practical Classes**: Problems and practical cases are carried out, complementary to the theoretical concepts studied.

? **Laboratory Workshop**: This work is tutored by a teacher, in groups of no more than 20 students.

? **Generic non-class activities**:

? Study and understanding of the theory taught in the lectures.

? Understanding and assimilation of the problems and practical cases solved in the practical classes.

? Preparation of seminars, solutions to proposed problems, etc.

? Preparation of laboratory workshops, preparation of summaries and reports.

? Preparation of the written tests for continuous assessment and final exams.

The subject has 6 ECTS credits, which represents 150 hours of student work in the subject during the trimester, in other words, 10 hours per week for 15 weeks of class.

A summary of a weekly timetable guide can be seen in the following table. These figures are obtained from the subject file in the Accreditation Report of the degree, taking into account the level of experimentation considered for the said subject is moderate.

Activity	**Weekly school hours**
Lectures	3
Laboratory Workshop	1
Other Activities	6

4.3.Syllabus

Practical.

There were realized practical exercises of every topic.

4.4.Course planning and calendar

Calendar of meetings attend them and presentation of works

Every semester has 15 weeks that adjust to the agenda.

The continuous assessment takes a calendar of activities that debera to respect.

The activities of continuous

1	INTRODUCTION TO THE MATRIX CALCULATION
2	STRUCTURES FORGED RETICULATED.
3	FORGED OF SLABS.
4	STAIRS.
5	STRUCTURES PREFABRICATED.
6	AUXILIARY STRUCTURES
7	STRUCTURES OF WALLS OF FACTORIES.
8	STRUCTURES OF WALLS OF FACTORIES.
9	MIXED STRUCTURES.
10	MIXED STRUCTURES.
11	STRUCTURES OF WOOD.

assessment were realized after finishing the agendas of class of every paragraph.	12	STRUCTURES OF WOOD.
	13	SURVEYS.
	14	SURVEYS .
	15	STRUCTURAL PATHOLOGY.

Calendar of evaluation.

Nombre	Inicio	Entrega	Solución	Calificación
Practice 1	3 week	4 week	4 week	5 week
Practice 2	7 week	8 week	8 week	9 week
Practice 3	12 week	13 week	13 week	14 week
(1ªConv)				
(2ªConv)				

The dates of final examinations, they are capable of changes. They will prevail the official dates published in http: // www.eupla.es

1. Recusrsos

Materials

The whole material of class was joining in the platform Moodle

4.5.Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=28623&year=2019