290627 - ESTRUCIV14 - Structures IV

**Coordinating unit:** 290 - ETSAV - Vallès School of Architecture

**Teaching unit:** 753 - TA - Department of Architectural Technology

**Academic year:** 2019

**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Teaching unit Compulsory)

**ECTS credits:** 3  
**Teaching languages:** Catalan, Spanish

### Degree competences to which the subject contributes

**Specific:**
- ET7G. (ENG) Capacitat per concebre, calcular, dissenyar, integrar en edificis i conjunts urbans i executar sistemes de divisió interior, fusteria, escales i altra obra acabada (T).
- ET2G. (ENG) Aptitud per aplicar les normes tècniques i constructives.

- ET6G. (ENG) Capacitat per concebre, calcular, dissenyar, integrar en edificis i conjunts urbans i executar estructures d'edificació (T).

**General:**
- CE1. (ENG) Aptitud para crear proyectos arquitectónicos que satisfagan a la vez las exigencias estéticas y técnicas
- CE8. (ENG) Comprensión de los problemas de la concepción estructural, de construcción y de ingeniería vinculados con los proyectos de edificios.

### Learning objectives of the subject

The objective is for the student to understand and learn the general basic concepts for the overall design of building structures, the approach and suitability of the structural typology and material used (reinforced concrete). Likewise, the course aims to establish the fundamental concepts to deepen and expand later on more specific or complex subjects through optional subjects and official postgraduate programs that are taught from the same department.
**Content**

### Syllabus

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<th>Learning time: 33h</th>
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<td>Theory classes: 16h 30m</td>
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<td>Practical classes: 16h 30m</td>
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### Description:
The goal is for students to understand and learn the basic concepts for design of building structures overall, the approach and suitability of the structural type and material used (reinforced concrete). Furthermore, the course aims to establish the fundamental concepts to deepen and expand later in more specific or complex matters through electives and official postgraduate programs taught combisystems same department.

### Bibliography

**Basic:**