

## IDENTIFICATION DETAILS

Degree:	Architecture		
Field of Knowledge:	Engineering and Architecture		
Faculty/School:	Higher Polytechnic School		
Course:	CONSTRUCTION I		
Type:	Compulsory	ECTS credits:	6
Year:	2	Code:	3721
Teaching period:	Third semester		
Area:	Construction		
Module:	Technical Drawing		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	150		

## SUBJECT DESCRIPTION

Se pretende que el alumno:

- Tenga un primer contacto con distintos procesos constructivos que aparecen en el transcurso de una obra, en un proceso secuencial y encadenado.
- Aprenda los fundamentos constructivos (el por qué y cómo trabajan) de los elementos constructivos básicos de una edificación (la cimentación; la estructura; los forjados; las cubiertas; los cerramientos...).
- Conozca las propiedades constructivas básicas de materiales fundamentales (piedra; ladrillo; hormigón; acero...).

- Distinga claramente para qué sirven, cuándo y por qué se utilizan unos materiales u otros y los distintos elementos constructivos que se realizan con ellos.
- Conozca, estudie, entienda y sea capaz de combinar elementos, soluciones y procesos constructivos básicos.

## **SKILLS**

### **Basic Skills**

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

### **General Skills**

Capacity for analytical, synthetic, reflective, critical, theoretical and practical thought.

Ability to resolve problems and to take decisions.

Ability to apply procedures.

### **Specific skills**

Aptitude in understanding and following technical and building standards.

Knowledge of the works health and safety plan.

## **DISTRIBUTION OF WORK TIME**

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
60 hours	90 hours