

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Architecture		
Field of Knowledge:	Engineering and Architecture		
Faculty/School:	Higher Polytechnic School		
Course:	BUILDING PATHOLOGY AND REFURBISHMENT		
Type:	Compulsory	ECTS credits:	6
Year:	5	Code:	3749
Teaching period:	Ninth semester		
Area:	Construction		
Module:	Technical Drawing		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	150		

## SUBJECT DESCRIPTION

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## 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
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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**

Ability to resolve problems and to take decisions.

Ability to apply procedures.

Knowledge of research methods and those pertaining to the preparation of construction projects.

An understanding of the problems involved in structural design, construction and engineering associated with building projects.

### **Specific skills**

Aptitude in understanding and following technical and building standards.

Aptitude in building structure conservation, foundations and civil engineering.

Aptitude in the conservation of completed building work.

Ability to carry out conservation of large structures.

Adequate knowledge of solid, continuum and soil mechanics, and the plastic, elastic and resistance qualities of heavy construction materials.

An adequate knowledge of conventional building systems and their pathology.

An adequate knowledge of the physical and chemical characteristics, production procedures, pathology and use of construction materials.

## **DISTRIBUTION OF WORK TIME**

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