

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Architecture		
Field of Knowledge:	Engineering and Architecture		
Faculty/School:	Higher Polytechnic School		
Course:	BUILDING TECHNOLOGY III		
Type:	Compulsory	ECTS credits:	6
Year:	5	Code:	3751
Teaching period:	Ninth semester		
Area:	Installations		
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**

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

Capacity for oral and written expression.

Ability to resolve problems and to take decisions.

Ability to apply procedures.

Capacity for interpersonal communication.

Capacity for ethical evaluation and commitment to ethical values.

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

An adequate knowledge of the physical and various technological problems that may exist, and those pertaining to the function of buildings, with a view to providing them with internal conditions of comfort and of protection from adverse climatic factors.

An adequate knowledge of industries, organisations, regulations and procedures required in order to turn projects into buildings and to integrate blueprints into planning.

### **Specific skills**

Aptitude in conceiving, calculating, creating and integrating designs in buildings and urban sites and implementing facilities for the supply, treatment and disposal of water, as well as heating and air-conditioning systems (T).

Aptitude in understanding and following technical and building standards.

Ability to carry out conservation work on facilities.

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**DISTRIBUTION OF WORK TIME**

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