

Teaching guide

IDENTIFICATION DETAILS

Degree:	Architecture		
Field of Knowledge:	Engineering and Architecture		
Faculty/School:	Higher Polytechnic School		
Course:	BUILDING TECHNOLOGY I		
Type:	Compulsory	ECTS credits:	6
Year:	3	Code:	3738
Teaching period:	Sixth 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

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 apply procedures.

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

Ability to design in order to meet the requirements of the building's users while observing the limits imposed by budgetary factors and building regulations.

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 plan building and urban facilities for electrical transformation and supply, audio-visual communication, acoustic systems and artificial lighting.

Ability to carry out conservation work on facilities.

DISTRIBUTION OF WORK TIME

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