

## IDENTIFICATION DETAILS

Degree:	Architecture		
Field of Knowledge:	Engineering and Architecture		
Faculty/School:	Higher Polytechnic School		
Course:	INFORMATION TECHNOLOGY II		
Type:	Basic Training	ECTS credits:	6
Year:	2	Code:	3727
Teaching period:	Fourth semester		
Area:	IT		
Module:	Introductory course		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	150		

## SUBJECT DESCRIPTION

El paso más importante ya está dado: provocar la inquietud por conocer, por seguir investigando y avanzando. Este hecho lo comparten todas las asignaturas de primer curso de arquitectura. Sin embargo, el segundo curso, además de insistir sobre este hecho (que no debe cesar tampoco durante el ejercicio de la profesión), tratará de involucrar al alumno en una dinámica de perfeccionamiento de las herramientas, métodos y estrategias de acercamiento a la representación de espacios, proyectos e ideas de arquitectura.

Utilizando un esquema docente parecido al del primer curso, los métodos para resolver los ejercicios propuestos surgirán desde la generación de nuevas necesidades. Esto ayudará al alumno a entender el proceso y el método de aprendizaje en el que está inmerso, descubriendo que en las dificultades que provoca el perfeccionamiento y

el uso de nuevas herramientas se encuentran nuevas posibilidades y estrategias que colaboran a pensar y comunicar.

El aprendizaje progresivo de herramientas informáticas depende de un sólido asentamiento gradual de los conocimientos base, en relación con los programas y la forma de vincularlos así como de su uso preciso y sus vertientes de aplicación.

## **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**

Ability to resolve problems and to take decisions.

Ability to apply procedures.

### **Specific skills**

An adequate knowledge of spatial representation systems applied to architecture and urban planning.

Adequate knowledge of analysis and theory of form and the laws of visual perception applied to architecture and urban planning.

An adequate knowledge of the techniques involved in all phases of graphic surveying, from the drawing of initial sketches to scientific restoration, applied to architecture and urban planning.

## DISTRIBUTION OF WORK TIME

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