



## PRESENTACIÓN

**Breve descripción:** Graphic Lab I

PARTE 1. Layout. Javier Sáez

PARTE 2. 3D Modeling. Guest Professor: Adam Jorquera

- **Titulación:** Degree in Architectural Studies
- **Módulo/Materia:** Propedéutico
- **ECTS:** 3
- **Curso, semestre:** Anual
- **Carácter:** Obligatorio
- **Profesorado:** Javier Sáez (responsable), María Duro (laboratorio), Adam Jorquera (profesor invitado)
- **Idioma:** Inglés y Español
- **Aula, Horario:** Se detallará en el Cronograma del Curso

## RESULTADOS DE APRENDIZAJE (Competencias)

### BASIC COMPETENCES

**BC02** Students must know how to apply their knowledge professionally to their job or career and have the skills that usually demonstrated by writing and supporting their arguments, and problem-solving within their area of study.

**BC04** Students are able to convey information, ideas, problems and solutions to specialist and non-specialist audiences.

**BC05** Students have developed the learning skills necessary to undertake further studies with a high degree of autonomy.

### SPECIFIC COMPETENCES

**SC02** Ability to conceive and represent the visual attributes of objects and good mastery of proportion and drawing techniques, including computer techniques (T).

**SC05** Adequate knowledge of metric and projective geometry, applied to architecture and urban planning.

**SC06** Adequate knowledge of graphical surveying techniques across all its phases, from sketching to scientific restoration, applied to architecture and urban planning.

**SC10** Adequate knowledge of the fundamentals of topography, hypsometry and cartography and the techniques of land modification, applied to architecture and urban planning.

**SC67** Use of English, level B2, to a sufficient level for the scientific and academic terminology typically used in architecture.

## PROGRAMA

- 1st week: LAYOUT (three days during one week of February from 9am to 2pm)



- 2nd week: 3D printing (three days during one week of February from 9am to 2pm)

## ACTIVIDADES FORMATIVAS

EDUCATIONAL ACTIVITIES			
AF1	Attendance and participation during in-person theoretical lessons	x	12
AF2	Attendance and participation during in-person practical lessons	x	9
AF3	Execution of standardisation work (individual and group-based)	x	9
AF5	Mentoring Participation	x	5
AF6	Study and personal work	x	40
			75

### EVALUATION

#### REGULAR EXAMINATION

The course consists of two parts: each part will include an individual assignment that will account for 50% of the final grade.

To pass the course, it is mandatory to submit both assignments.

#### EXTRAORDINARY EXAMINATION

Students who do not pass the regular examination must redo the assignments with sufficient modifications to meet the minimum course requirements.

There are two possible scenarios in this case:

- One or both assignments failed: the student must redo one or both assignments to pass the extraordinary examination.
- One or both assignments not submitted: the student must submit one or both assignments to pass the extraordinary examination.



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**The course is practical and requires in-person attendance; therefore, attendance is considered an indispensable factor for passing the course.**

## EVALUACIÓN

### CONVOCATORIA ORDINARIA

La asignatura se compone de dos partes: cada parte de la asignatura contará con una práctica individual que representará el 50% de la nota.

Para aprobar la asignatura es obligatorio contar con las dos prácticas entregadas.

### CONVOCATORIA EXTRAORDINARIA

Aquellos alumnos que no hayan superado la convocatoria ordinaria tienen que repetir las prácticas con los cambios suficientes para cumplir los mínimos exigibles de la asignatura.

Existen en este caso dos escenarios:

- Una o ambas prácticas suspensas: el alumno debe repetir uno o ambos ejercicios para poder superar la convocatoria extraordinaria.

- Una o ambas prácticas no entregadas: el alumno debe entregar uno o ambos ejercicios para poder superar la convocatoria extraordinaria.

El curso es práctico y presencial, por tanto, la asistencia se entiende como un factor ineludible para superar la asignatura.

### OFFICE HOURS

Dr. Javier Sáez Gastearena ([jsaezg@unav.es](mailto:jsaezg@unav.es))

**Office:** Department of TPU - Theory, Projects, and Urbanism

**Building:** School of Architecture

**Floor:** 2nd

- **Office hours:** Thursdays, 3:00 PM - 4:00 PM (by appointment via email)

## BIBLIOGRAFÍA

1. Basic bibliography:

Course material published on ADI Website

2. Complementary bibliography

Zardoya, E. Sánchez, B. y Latorre, A. (2018). Building Information Modelling: Plan empresarial para una consultoría BIM: Un ejemplo Práctico. Editorial EAE. [Localízalo en la Biblioteca](#)