

Course Syllabus for Degree in Desing

Name of the subject	<i>Computing II / Informàtica II</i>
Year	2 nd
Mention	Interior desing
Teaching staff name	Ivan Mases Solé
Number of credits ECTS	6
Language of instruction	English

Description of the subject / Objectives

The subject aims to focus on the draft and representation of interior design projects. The course will be divided into two blocks according to each semester.

During the first semester, the lectures and exercises will focus on 2D drawing with AUTOCAD software, where all the necessary tools will be given so that students can integrate the criteria to draft the projects in an autonomous way. The main objective of this semester is to be able to learn how to use the software as closely as possible to how it is used in architecture and interior design offices.

Over the course of the second semester, students will have to explore and delve into creative representation. In order to explore different representation techniques, two projects –“vector” and “pixel”– are proposed, although it will be accepted to explore mixed technique. The main objective in this second semester is to be able to tell the main ideas of a project in some sort of graphical way.

Prerequisites established in the Study Plan

A prerequisite is a subject or set of knowledge that the student must have successfully completed before enrolling in a more advanced subject. In this specific case it must be completed Computing I

Necessary prior knowledge

- Technical drawing knowledge

Competences and Learning Outcomes

Basic skills

CB1 - That students have demonstrated possession and understanding of knowledge in an area of study that is based on general secondary education, and is usually found at a level that, although supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.

CB2 – That students know how to apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.

CB4 - That students can transmit information, ideas, problems and solutions to both a specialized and non-specialized audience.

Transversal skills

T1. Have critical capacity in the face of given elements, provide solutions to complex problems

T2. Have clarity and fluency in written and oral expression, knowledge of a third language (preferably English), mastery of computer programs used in the presentation of projects.

Specific skills

E9. Have aesthetic sensitivity to know how to apply it in the designer's own work.

Content

In the first semester, students consolidate the technique of rigorous drawing of plans, elevations, sections and construction details applying the established graphic codes, and do so working exclusively with AutoCAD: information is organized by layers, line and dimension styles are defined, blocks and external references are used, and hatching patterns and scales are controlled. In parallel, they learn to prepare sheets and dossiers for publication, articulating grids and typographic criteria, and solving the export to PDF using plotters/CTB.

In the second semester, the focus shifts to expression and creativity to communicate the project idea: first, they delve deeper into vector language —line hierarchy, line weight, hatches, shading and diagrams— integrating composition criteria, graphic narrative and synthesis to make the message clearer. Once this foundation is established, the pixel language is introduced with Photoshop to work on textures, colour, atmospheres and image post-production. The result is a technical and expressive repertoire that connects precision and creativity and enables the student to communicate with solidity and personality.

AUTOCAD

- Interface, navigation tools, model units
- Draw elements (*line, polyline, circle, rectangle, polygon, arc, spline, ellipse*)
- Modify (*move, copy, rotate, scale, mirror, array, fillet, trim, extend*)
- Hatch, wipeout, draw order
- Layer, plot style, line style
- Block, dynamic block
- UCS, isolate, freeze
- Insert: *xref, pdf, image*
- Text and annotation styles
- Layout and publish

PHOTOSHOP

- Interface
- Lighting and shadowing
- Textures *Insert, edit, transform*
- Collage through different techniques

Teaching methodology

The work classes are articulated as follows:

1. One hour of theory where the student learns the resources and tools.
2. One hour of practice in class where the student performs a specific exercise to work on what he has learned in theory and supervised by the tutor.

Regarding the assignments, during the first semester, most assignments will be from the work file that will be projected and discussed in class. On the other hand, in the second semester we will also incorporate prints in A1 that we will discuss in the classroom.

EVALUATION- Training activities

What is evaluated?

Through the different tasks of the course project, the student's level of learning will be assessed. For the evaluation of the deliveries, great importance will be given to two key aspects, the technique and precision of the drawing as well as the graphic communication.

These aspects will be evaluated in parallel in the deliveries and a rating can only be obtained if the two categories obtain a minimum grade of 4.

Attendance and punctuality of the student as well as participation in the classroom will also be assessed. Regarding attendance, if after 10 minutes the student is not in class, he/she will be counted as absent.

Ordinary and Extraordinary Calls

Evaluation in ordinary call (continuous evaluation)

Weight of continuous assessment activities:

Amount of submits:

Three projects to be carried out during the course, where the use of tools will be worked on in a more transversal way redrawing and representing an existing building given at class.

Project 1. (first semester)	Technique dossier Drawing 2D of an existing building	50%
<i>3 intermediate submissions,</i>		
	<i>Floorplans</i>	<i>10%</i>
	<i>Cross section and elevations</i>	<i>10%</i>
	<i>Constructive details / Blocks</i>	<i>10%</i>
	<i>1 final delivery,</i>	<i>20%</i>
Project 2. (second semester)	Graphic project VECTOR	25%
<i>2 intermediate submissions, 5% each</i>		
	<i>1 final delivery,</i>	<i>15%</i>
Project 3. (second semester)	Graphic project PIXEL	25%
<i>2 intermediate submissions, 5% each</i>		
	<i>1 final delivery,</i>	<i>15%</i>

The overall weighting of the tasks will be equivalent to 90% of the subject, with the remaining 10% being participation, attendance and punctuality.

According to the school's general evaluation regulations, in order to pass the course, all assessable elements must be submitted and must obtain a minimum grade of 4 to be averaged. If any element is not submitted, its grade will be an NP ("no presentado" not submitted) and the final grade for the regular exam period will also be an NP.

If any of the assessable elements do not reach a grade of 4, the final grade for the course will be evaluated as an NA. In both cases, the course cannot be passed during the regular exam period, and the student will have to take the extraordinary examen period according to the following point.

Evaluation in extraordinary call

Students who do not pass the course in the regular session at the end of the class period may present themselves for the extraordinary recovery session, the dates of which are indicated in the academic calendar.

In extraordinary examinations, the professor will personally decide the assessment method for each student, based on the circumstances that have prevented them from passing the subject in the ordinary examination period. However, two main cases can be identified:

- a. Students who have attended class more or less regularly, for whom the instructor can attest to an acceptable level of engagement with the course material and who have submitted a portion of the required assignment: In this case, the student will need to complete the missing assignments or improve them to pass the course. In the case of written exams, if these have been failed, the student will need to retake them. The instructor may decide to change the content of the assignments to ensure that the student demonstrates a minimum level of knowledge of the course material.
- b. Students who have not attended class or whose attendance has been irregular and who have practically not submitted any assignments during the course and therefore the teacher cannot attest to a minimum follow-up and knowledge of the contents: In this case, in addition to completing the required submission during the course (with modifications to avoid plagiarism or not) and possibly having to do some extraordinary task, the student will have to compulsorily take a level test (workshop practical test) to pass the subject.

The weighting percentages and minimum grades to be obtained for each assessable element will be defined by the professor in each case. The teacher will inform the affected students about the assessment method in the resit (extraordinary) exam session. It is the students' responsibility to find out by their own means the requirements to be met in this session.

Class attendance and general regulations

Students are obligated to attend classes. Failure to comply with this rule may result in the loss of the right to continuous assessment (regular exam period) for the course.

In this course, the general regulations indicated in the ESDI academic guidelines apply. In particular, regarding class attendance, please note the following:

- The minimum attendance percentage to maintain the right to continuous assessment is 80%. This means that students can have a maximum of 20% unexcused absences.**
- In the case of excused absences, even if there are a large number of excused absences, this does not exempt students from having to take the courses and continuous assessment properly. This means that they must submit the tasks required by the teacher and take the scheduled exams.**
- When the total number of absences, including excused and unexcused absences, reaches 30%, the student may also lose the right to continuous assessment.**
- The teacher will consult with the tutor or academic coordination before taking and communicating the decision to lose the right to continuous assessment for a student.**

The punctuality at the start of the classes is important: after 10 minutes from the start of a class, exam, or assignment submission, students will not be allowed to enter the classroom unless they can justify their tardiness with a valid document. Renfe Cercanías delay certificates are not considered valid documents to justify being late. Due to the frequent delays of Renfe, it is necessary to plan trips in advance to allow enough time to arrive to class on time.

Attendance at a class is considered complete if the student attends the entire class from the beginning to the end. Students who leave the class before the end without speaking to and justifying their absence to the instructor will receive an absence for the entire class. Communicating with the instructor does not necessarily mean that the student will not have an absence; this decision is at the discretion of the instructor based on the reason for the student's absence.

The use of technological devices (computers, tablets, mobile devices, etc.) may be restricted or even prohibited by the professor if misuse is evident. Specifically, if they are used in the classroom to perform tasks unrelated to the subject being taught. This rule may be applied individually or collectively.

Sources of information

- Ching, Francis D. K., Manual del dibujo arquitectónico, Ed. GG.
 - Atelier BOW-WOW, Graphic anatomy 2, TOTO ed.
 - BIG, HOT to COLD, Taschen ed.
 - Construir la arquitectura: del material en bruto al edificio. un manual, Deplazes, Andrea, Ed. GG
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Other information

Important Note: The content of this course syllabus may be modified during the academic term if the professor deems it necessary, in accordance with the development of the course and the needs of the group. Any proposed changes will be communicated by the professor in class prior to the publication of the updated syllabus.