

Teaching guide

IDENTIFICATION DETAILS

Degree:	Architecture
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Field of Knowledge:	Engineering and Architecture
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Faculty/School:	Senior Polytechnic School
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Course:	PROJECTS V
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Type:	Compulsory
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ECTS credits:	6
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Year:	4
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Code:	3743
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Teaching period:	Seventh semester
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Area:	Projects
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Module:	Architectural Drawing
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Teaching type:	Classroom-based
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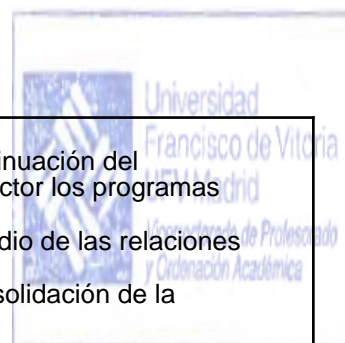
Language:	English
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Total number of student study hours:	150
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Teaching staff	E-mail
Pablo Ramos Alderete Fernando Altozano García	p.ramos.prof@ufv.es

SUBJECT DESCRIPTION

Ampliación de la introducción a la teoría y práctica de la arquitectura de gran escala. Continuación del proceso personal de aprendizaje del proyecto de equipamiento, tomando como hilo conductor los programas híbridos complejos. Introducción a la concepción de la arquitectura adecuada al territorio y a la tectónica. Estudio de las relaciones generales entre arquitectura y entorno. Utilización del inglés como lengua vehicular de la enseñanza. Consolidación de la presentación de proyectos en inglés.



Identify and propose project systems and processes: look for the approach to different systems and possibilities of ordering architectural processes. Understand the complexity of large equipment programs: gain autonomy to analyze and propose alternative programs. Identify the needs of the people and the society, and design buildings and strategies that improve the life of people in all the scales of the life: from house to city, from city to house.

Project exercises on buildings of public equipment, residential and complex singular elements, led by individual and joint reviews structured in a workshop work scheme, supported by theoretical classes and discussion sessions. Use of the English language as a working tool through participatory classes and activities that promote the four language skills of English: listening, speaking, reading and writing. Interaction with 3740 Construcción III

GOAL

Apply project strategies with an architectural approach that is person-centred. Recognize the different phases of the various project processes, from the analysis and reading of the context to the decision of design strategies or their resolution and deepening through the development of exercises in real contexts.

Learn to create an integrative architecture that meets the real needs of people. Learn to link architecture with theoretical thinking. Develop a deep vision of architecture centered on the person and design projects consistent with that vision, which aims to seek the good for all people.

Learn to define a plot, establishing different relations of the building with the environment and with the people in all the scales, from city to house.

to be able to communicate in English in a professional environment

to have a good command of architectural terms in English

to design an architecture for all, without barriers and with universal accesibility

PRIOR KNOWLEDGE

It is recommended to attend the following courses prior to enrolment in 3727 Informática II, 3728 Proyectos II, 3733 Proyectos III, 3739 Proyectos IV, 3732 Construcción II, 3734 Urbanismo I, 3736 Arquitectura y Sostenibilidad, 3737 Estructuras I,

COURSE SYLLABUS

This course focuses on public buildings design through complex programs adapted to the territory, the landscape and the needs of the current society. Control of the relations between form and matter. Analysis of the spatial, compositional, functional and technical qualities of the projects. Expand on the analysis of programs and of cultural and historical context. Expand on the study of a design concept and its argumentative diversity.

In addition, the study of the meaning of public: and architecture for all, person-centered and with universal accesibility

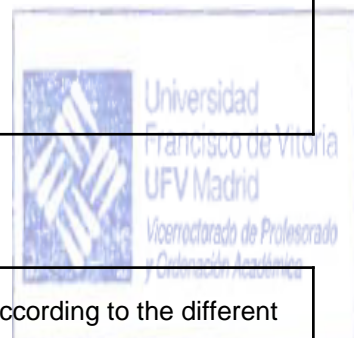
It also explores the use of specific graphic tools for architectural purposes.

Projects in this course must be presented in English.

This course may share certain assignments with other courses such as Construcción III, Proyectos III y Proyectos VI.

EDUCATION ACTIVITIES

Training activities, as well as the distribution of work times, can be modified and adapted according to the different



scenarios established following the indications of the health authorities.

1. Classroom- based activities. (they could be online class if it is required by the medical situation)
 - 1.1. Lectures: Presentation of contents and activities by the teacher, commentary, recommended reading, with the participation of students in the debate and resolution of any difficulties found understanding the topics proposed in class.
 - 1.2. Exercise work: Carrying out, individually, on the board or on the table, proposed exercises regarding the application of the fundamental knowledge previously learned.
 - 1.3. Projects workshop: Correction, in groups of various sizes, of the projects which the students develop in the classroom or at home, and resolve with help from the exercises of their classmates and the instruction of their lecturers.
 - 1.4. Evaluation: Understanding tests throughout the course, as often as is possible.
 - 1.5. Tutorials:
 - 1.51. Personalised: Individual attention to the student with the objective of reviewing and discussing the issues presented in class and clarifying any doubts that the student may have, or any personal issues that may need resolving.
 - 1.52. Group: Attending to the needs of a reduced group of students who need additional help for the follow-up of the subject, in the case whereby whole group instruction is less effective.
 - 1.6 Seminars: Work directed on a particular theme with unique activities, or occasional guest speakers, depending on the theme to be developed.
 - 1.7 Round tables: Exhibition and debate, with the participation of experts on singular topics.
2. Non-class activities:
 - 2.1. Preparation of projects for in-class discussion: Design and prepare a public presentation of a proposed exercise in class.
 - 2.2. Group work: Design and development of group work projects
 - 2.3. Practical and theoretical study: Study of theoretical and practical contents of the program and preparation of the recommended reading.
 - 2.4 Work with the virtual on-line classroom: Virtual space designed by the lecturer where the student will be able to work together with other classmates to participate in forums organised by the teacher and carry out tutorials.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
60 hours	90 hours
Lectures, exercises, design studio, group work, tutoring, assessment 60h	Work on projects for discussion in class Group work, study and practice 90h

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 resolve problems and to take decisions.

Ability to apply procedures.

Capacity for interpersonal communication.

Ability to understand the relationships between people and buildings and between buildings and their surroundings, and the need to associate buildings and the spaces in between them to meet human needs and on a human scale.

Specific skills

Ability to carry out safety, evacuation and protection projects in properties (T).

Adequate knowledge of the general theories of the shape, composition and types of architectural structures.

An adequate knowledge of the general history of architecture.

An adequate knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources.

An adequate knowledge of architectural, urban development and landscaping traditions in Western culture and of their technical, climatic, economic, social and ideological bases.

An adequate knowledge of the relationship between cultural patterns and the architect's social responsibilities.

LEARNING RESULTS

Delivery in accordance with the requirements of the exercise

Define an implementation strategy in the plot

Define a design concept for the proposal

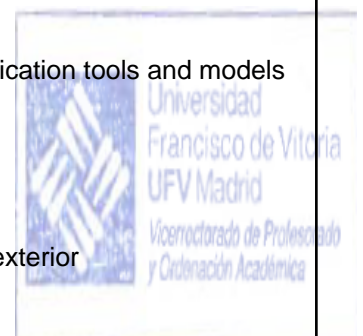
Demonstrate the design process using the visual language of 2D and 3D graphic communication tools and models to express their design decisions. Composition of boards that explains the project.

Design plans, sections and elevations.

Definition of the spatial and constructive characteristic section

Elaboration of representative three-dimensional images of the proposal, both interior and exterior

Define and control the circulations in the proposal



Incorporation of a basic structural logic into proposals

Material research consistent with the strategy proposed for the program and the environment

Present visual, written and verbal explanations in English of their work at the specified appropriate standard, for every review and jury.

LEARNING APPRAISAL SYSTEM

A. CONTINUOUS EVALUATION

This subject is based on continuous assessment. Periodically, there will also be work to be handed in related to course exercises. In order to pass the subject each academic year, it will be mandatory to hand in the exercises on time. The exercises will be graded from 0 to 10 and general corrections will be made on a regular basis. During the

course, the assigned work and presentations of the project exercises will be evaluated, the weighting will be carried out giving priority to the evolution of the course.

Moreover, the following should also be taken into account:

A.1. CRITERIA FOR PASSING

The student will pass a given academic year if:

- They attend at least 80% of the classes.

- They hand in all the course exercises at the established dates and times. If any piece of work is not completed, it will be given a grade of 0 and this mark will be included in the calculation of the average. A piece of work is considered correctly delivered when it meets all the format (paper and digital) requirements required by the lecturer. All exercises will be delivered by hand or digitally during the corresponding task performed on the VIRTUAL CLASSROOM, depending on the nature of the assigned task. Suspended practices can be compensated with others that are passes, as it is the average mark which is important.

A.2. QUALIFICATION CRITERIA AND WORK IMPROVEMENT

Any improvements can be made by PRESENTING, CORRECTING AND ATTENDING OTHER CORRECTIONS during the practice work, by means of classes and tutorials. Any comment or observation made in class about a student's work will affect the others. Therefore, it will not be necessary to repeat to each student what should be improved if these improvements are repeatedly exposed in the context of a public correction. If a student would like to provide an improvement for a suspended practice grade, it will be accepted but assessed as past the deadline.

B. EVALUATION OF EXAMINATION SITTINGS

B.1. EVALUATION OF END-OF-COURSE EXAMINATION SITTINGS

Following the indications established in the Report for the Verification of the Degree in Architecture, students who do not pass the course but present the exercises and attend the classes (at least 80%) may opt to sit the final exam. The final grade will be the average of the exercises that have been delivered during the course or in the exam. The exam will consist of the delivery (digital and physical, if it's possible) of the outstanding or revised exercises at the beginning of the exam time. The students who decide to sit the final exam will have only one tutorship after the final course deadline. The students who have not attended the course or have not done all the exercises before the end of the classes will not opt to sit the exam

B.2. EVALUATION OF EXAMINATION RE-SITTINGS (EXTRAORDINARY EXAM)

Following the indications established in the Report for the Verification of the Degree in Architecture, students who do not pass the course and fail de end-of-course examination may opt to sit a subsequent or extraordinary exam. The final grade will be the average of the exercises that have been delivered during the course or in the exam. The exam will consist of the delivery (digital and physical, if it's possible) of the outstanding or revised exercises. The students who decide to sit the extraordinary exam will have only one tutorship after the final exam. The students who have not attended the course or have not done all the exercises before the end of the classes will not opt to sit the extraordinary exam



BIBLIOGRAPHY AND OTHER RESOURCES

Basic

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