



35507 - GRAPHIC ANALYSIS AND DESIGN 1 (2018-19)

General

Code: 35507

Lecturer responsible:

MARCOS ALBA, CARLOS LUIS

Credits ECTS:	6
Theoretical credits:	0
Practical credits:	2,4
Distance-base hours:	3,6

Departments involved

- **Dept:** GRAPHIC EXPRESSION, COMPOSITION AND PROJECTS
Area: ARCHITECTURAL GRAPHIC EXPRESSION
Theoretical credits: 0
Practical credits: 2,4
This Dept. is responsible for the course.
This Dept. is responsible for the final mark record.

Study programmes where this course is taught

- DEGREE IN FUNDAMENTALS OF ARCHITECTURE
Course type: CORE (Year: 1)

Competencies and objectives

Course context for academic year 2018-19

The course is conceived as an introduction to architectural analysis and ideation for first course students considering different types of exercises aimed at graphic analysis and inventiveness. Students will progressively become aware of the graphic variables that characterize drawings and will gradually attempt the representation of space and its proportions basically through the study of architectural motifs.

The sketches are oriented to the analysis and interpretation of architecture itself, as an object that is perceived by us. Therefore they refer to an existing architecture within a specific place, with all the nuances implied; using for that same reason the conical perspective as an interpretative tool for analyzing the visual appearance of the architecture. Thus, the use of traces and hues as an evocation of the chiaroscuro and of the depth in space is essential to grasp the nature of the materials and finishes against which the light is worn.

Abstractions, however, are directed to the core of the objects themselves: they try to analyze the formal order and the geometric structure characterizing a given material reality, not the visual appearance we have of it. Seeking, therefore, the very essence of being against the appearance of the contingent. Abstractions derived from physical realities as well as from abstract concepts will be proposed to students as a way to achieve a thorough analysis of the essential towards the introduction of an ideation practice.

Finally, since the work of architects is confined to the boundaries of space, compositional strategies in space will also be explored through the use of models, always in the context of ideation in space.

Course content (verified by ANECA in official undergraduate and Master's degrees)

General Competences (CG)

- **CG-1** : Conocer la historia y las teorías de la arquitectura, así como las artes, tecnologías y ciencias humanas relacionadas con esta.
- **CG-2** : Conocer el papel de las bellas artes como factor que puede influir en la calidad de la concepción arquitectónica.

Basic Competences and Competences included under the Spanish Qualifications Framework for Higher Education (MECES)

- **CB 1** : Que los estudiantes hayan demostrado poseer y comprender conocimientos en un área de estudio que parte de la base de la educación secundaria general, y se suele encontrar a un nivel que, si bien se apoya en libros de texto avanzados, incluye también algunos aspectos que implican conocimientos procedentes de la vanguardia de su campo de estudio.
- **CB 2** : Que los estudiantes sepan aplicar sus conocimientos a su trabajo o vocación de una forma profesional y posean las competencias que suelen demostrarse por medio de la elaboración y defensa de argumentos y la resolución de problemas dentro de su área de estudio.
- **CB 3** : Que los estudiantes tengan la capacidad de reunir e interpretar datos relevantes (normalmente dentro de su área de estudio) para emitir juicios que incluyan una reflexión sobre temas relevantes de índole social, científica o ética.
- **CB 4** : Que los estudiantes puedan transmitir información, ideas, problemas y soluciones a un público tanto especializado como no especializado.
- **CB 5** : Que los estudiantes hayan desarrollado aquellas habilidades de aprendizaje necesarias para emprender estudios posteriores con un alto grado de autonomía.

Inherent transversal competences:>>Cognitive Instrumental

- **CT-10** : Habilidad para el análisis y la síntesis. Habilidad para separar las partes de un proceso de indagación, y la habilidad para recomponer el todo a partir de unas partes.
- **CT-12** : Habilidad para el razonamiento crítico. Capacidad de confrontar líneas argumentales diversas, sistematizando la duda sobre cualquier afirmación presentada.
- **CT-13** : Habilidad para la estética y la forma. Capacidad de posicionarse críticamente ante el objeto bello.

- **CT-14** : Habilidad para la elaboración del pensamiento abstracto. Habilidad para construir conceptos genéricos a partir de un conocimiento empírico.
- **CT-15** : Habilidad para la imaginación, fantasía y creatividad. Habilidad para traducir situaciones imaginativas o creativas a diagramas o mapas con los que interactuar. Capacidad para entender las lógicas de la fantasía, sus recursos y sus posibilidades.

Specific Competences:>>Preparatory Block

- **CE-1T** : Aptitud para aplicar los procedimientos gráficos a la representación de espacios y objetos.
- **CE-2T** : Aptitud para concebir y representar los atributos visuales de los objetos y dominar la proporción y las técnicas del dibujo, incluidas las informáticas.
- **CE-4** : Conocimiento adecuado y aplicado a la arquitectura y al urbanismo del análisis y teoría de la forma y las leyes de la percepción visual.
- **CE-6** : Conocimiento adecuado y aplicado a la arquitectura y al urbanismo de las técnicas de levantamiento gráfico en todas sus fases, desde el dibujo de apuntes a la restitución científica.

Specific Competences:>> Project Block

- **CE-48** : Conocimiento adecuado de las teorías generales de la forma, la composición y los tipos arquitectónicos.

Exclusive skill taught in this course

No data

Learning outcomes (Training objectives)

No data

Specific objectives stated by the academic staff for academic year 2018-19

DEGREE IN ARCHITECTURE FUNDAMENTALS

General Skills (CG)

CG-1: Learn the history and theories of architecture as well as of the arts, technologies and human sciences related to it.

CG-2: Understand the role of the fine arts as an influential agent on the quality of the architectural design.

Degree's transversal skills:

Cognitive instrumental skills

CT-10: Ability for the analysis and synthesis. The ability to separate the parts of a research process, and the ability to reconstruct the whole from a part.

CT-12: Ability of critical thought. Capacity to compare different storylines, systematizing the doubt on any submitted claim.

CT-13: Ability for aesthetics and form. Capacity to critically position oneself with regard to a beautiful object.

CT-14: Ability for the development of abstract thought. Ability to build generic concepts from empirical knowledge.

CT-15: Ability to imagine, fantasize, and be creative. Ability to translate creative or imaginative situations into diagrams or maps in order to interact with them. Ability to understand the logic of fantasy, its resources and possibilities.

Specific Skills:

Propedeutic block

CE-1T: Ability to apply graphic procedures to the representation of spaces and objects.

CE-2T: Ability to conceive and represent the visual attributes of objects mastering proportion and drawing techniques, including computer tools.

CE-4: Knowledge theory and of analysis of form as well as laws of visual perception adapted and applied to architecture and urbanism.

EC-6: Knowledge of graphic survey techniques at all stages, from drawing sketches to precise survey analysis adapted and applied to architecture and urbanism.

Specific Skills:

Design block

EC-48: Adequate knowledge of general theories of form, composition, and architectural types.

Basic Skills and MECES (Spanish Qualifications Framework for Higher Education)

CB 1: Students should have demonstrated knowledge and understanding in their field of study parting from the basis of general secondary education, and is typically at a level that, whilst supported by advanced textbooks, includes also some aspects involving knowledge of the forefront of their field of study.

CB 2: Students should be able to apply their knowledge to their work or vocation in a professional way and achieving the skills that may be shown through devising and sustaining arguments as well as solving problems within their field of study.

CB 3: Students should have the ability to gather and interpret relevant data (usually within their field of study) to state value judgments that involve the reflection on relevant social, scientific or ethical issues.

CB 4: Students should be able to communicate information, ideas, problems, and solutions to both:

specialist and non-specialist audiences.

CB 5: Students should have developed those learning skills needed to undertake further study with a high degree of autonomy.

Educational Objectives

Ability to create architectural designs that satisfy both aesthetic and technical requirements.

Adequate knowledge of the history and theories of architecture as well as related arts, technology and human sciences.

Understand the role of the fine arts as an influential agent on the quality of the architectural design.

Content and bibliography

Content for academic year 2018-19

Course content will pivot around the two poles that have characterized the graphic language from its beginning: figuration and abstraction. Figurative drawings made must start with simple themes, such as still-lives and boxes, to finish with sketches of constructed buildings. Abstractions will be developed as an introduction to ideation.

Theoretical and practical contents (2014-15)

From the academic year 2012-2013 onwards a blog of the subject has been created in which all the work developed by students is posted individually and in detail together with a selection of the best or most representative works made by the teaching staff which can serve as a guideline for new students. The link is:

<http://aig-1.blogspot.com.es/>

Thus, the blog is constituted into a digital archive of the production developed within the subject although the best works may still be selected to become part of the physical archive of the subject.

Below is a brief description of the type assignments developed in the subject.

Unit 1. Sketch, chiaroscuro, geometry, sizing and proportion, framing.

Exercise type 0. Preliminary approach. Composition techniques and supports: quick sketches.

Exercise type 1 Chiaroscuro. Simple geometric shapes drawing "still lifes".

Exercise type 2. Proportion. Drawing natural models and classroom objects.

Unit 2. Color. Contrasts, codes and harmonies.

Exercise Type 3. Colour contrast: colour series.

Exercise Type 4. Color Codes and harmonies: chromatic interpretation of space.

Unit 3. Perspective and architectural sketch

Exercise type 5. Perspective (interior spaces, light and depth planes): sketches of interior spaces.

Exercise 6 type: Sketches: architectural outdoor spaces and landscapes. Sketches of outdoor spaces and buildings in a context or place.

Unit 4. Composition and abstraction of reality

Exercise type 7. Abstractions. Interpretation of an existing reality or an abstract concept based on compositional abstraction.

Exercise type 8. Models. Introduction to space colonization strategies.

Assessment

Assessment procedures and criteria 2018-19

General Evaluation System

The analysis of forms through graphic expression requires a continuous process of reflection, during which the student must acquire the expressive technique and analytical maturity necessary to understand the formal aspects of architecture.

The evaluation method is based on continuous evaluation considering the eminently practical nature of the subject so that the work performed during the course will correspond to the highest weighting in relation to the final grade.

The students must upload all the work of the course to the blog of the subject from a personal blog linked to the first one. Such chronologically filed material will also be part of the evaluation.

Theoretical/practical work must be original. The detection of copy or plagiarism will suppose the qualification of "0" in the corresponding submission. The department and the EPS director will be informed about this incident. The reiteration in the behavior in this or other subject will entail the notification to the corresponding vice-rector of the faults committed so that the case should be studied and sanctioned according to the legislation (Regulation of academic discipline of the Official Centers of Higher Education and of Technical Education dependent of the Ministry of National Education BOE 12/10/1954).

Description	Criteria	Type	Weighting system
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Instruments and Evaluation Criteria. Continuous Assessment.	<p>Type Description Criteria Weighting</p> <p>CONTINUOUS ASSESSMENT.</p> <p>Continuous assessment is carried out of the submissions done by the student, who must file who must file a digital version in a personal blog linked to the subject blog all the assignments done during the course. the blog entries must be loaded on a weekly basis from the beginning of the course. In addition, it may include a course notebook binder (with notes and annotations, sketches, references, exhibitions personal reviews, etc.), in which case it will also form part of the assessable material. Based on this portfolio and the student's commitment observed during the course the teaching staff will evaluate the students' work.</p> <p>To facilitate the process of trial and error, the work must be assessed considering the progression and the increasing difficulty, as the whole set of exercises, and in particular, the evolution is valued. Occasionally and without prior notice, some sketches -especially the last part of the course when students have achieved a certain graphic skill-, may be controlled "on the spot" so that the authorship can be credited and the work is performed within a fixed time. All the course submissions in the course blog together with these controlled drawings will constitute up to 80% of the final grade. The weight of the controlled drawings may add up to 30% of that percentage.</p> <p>Being a workshop subject, regular attendance to the classes is necessary on an eminently practical course underpinning and facilitating ongoing evaluation. Of the scheduled weekly submissions the student may have a maximum of three omissions to be continuously assessed. Assignments</p>	ACTIVITIES OF EVALUATION DURING THE SEMESTER	80
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out of date will only be assessed if they are submitted no later than two weeks after the deadline.

Since the level of difficulty is increasing and students are expected to achieve a significant level of graphical progress along the course, sketches of the last part of it will have a greater weighing on the final grade. Drawings during the first weeks may be graded with three letters (A=good, B=acceptable, C=bad) which will help to orient the student during the initial stages of the course and which may gauge the numerical average of the rest of the assignments.

VOLUNTARY SUBMISSION: Those students willing to improve their final grade, only with an average higher than 5 in the continuous assessment, may work on an extra-assignment agreed with their professor who may suggest a topic related with the course. This may count up to an extra 1.5 points (out 10) added to the final grade if the quality of the work justifies the grade improvement. In any case, this extra-assignment may not compensate failing grades.

FINAL EXAM AND EXTRAORDINARY EVALUATION	<p>FINAL ORDINARY EXAM. The final exam will be a mandatory test for all students. Its value corresponds to 20% of the final grade but students must obtain a minimum score of 4 (out of 10) in every part of the exam in order to make average with the rest of the course (the other 80% described in the continuous assessment).</p> <p>FINAL EXTRAORDINARY EVALUATION. In the extraordinary evaluation (only for those students who failed the subject), considering the type of subject, the course continuous assessment -without taking into account the final exam- will weigh for 50% of the final grade while the extraordinary exam will count up to the other 50%.</p>	FINAL TEST	20
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Official exam dates for academic year 2018-19

Exam session	Date	Time	Group - Classroom(s) allocated	Comments
(C3) Periodo ordinario para asignaturas de segundo semestre y anuales	04/06/2019			Dibujo
(C4) Pruebas extraordinarias para asignaturas de grado y máster	02/07/2019			Dibujo

