

BASIC DETAILS:

Subject:	CULTURA Y TEORÍA EN ARQUITECTURA V		
Id.:	30230		
Programme:	GRADUADO EN ARQUITECTURA. PLAN 2009 (BOE 21/03/2015)		
Module:	PROYECTUAL		
Subject type:	OBLIGATORIA		
Year:	4	Teaching period:	Primer Cuatrimestre
Credits:	3	Total hours:	75
Classroom activities:	32	Individual study:	43
Main teaching language:	Inglés	Secondary teaching language:	Castellano
Lecturer:		Email:	

PRESENTATION:

The subject of the course constitutes an overview of the XXth century history of architecture characterized by a radical approach based on form and function, breaking with the classical tradition to advance a new modern language focused on industry and abstraction. Prominent figures appeared during this period as Wright, Le Corbusier, Mies, Aalto and Kahn launching a distinct view of architecture as the interaction of art, nature, technology and construction.

Their legacy constitutes the foundation of contemporary architecture where new stars as Foster, Piano, Eisenman, Ghery, Hadid, Koolhaas, H&M and SANAA enlighten the legacy of the modern masters updating their ideas and principles to the present time.

PROFESSIONAL COMPETENCES ACQUIRED IN THE SUBJECT:

General programme competences	G03	Ability for autonomous learning and self-criticism.
	G04	Ability to transfer the knowledge acquired in practical work and skills to the field of work.
	G05	Demonstrate creativity, independence of thought, autonomy.
	G06	Demonstrate critical and analytical ability to conventional approaches of the discipline.
	G08	Incorporate social and humanistic knowledge to an all-encompassing university education.
	G12	Knowledge of culture and society as a pillar of human reality.
Specific programme competences	E01	Ability to: Apply the graphic procedures to the representation of spaces and objects (T); Design and represent the visual attributes of objects and master proportion and drawing techniques, including computer-based techniques (T).
	E02	Knowledge adapted and applied to architecture and urbanism of: The spatial representation systems; Analysis and theory of form and laws of visual perception; The metric and projective geometry; Graphic survey techniques in all its phases, from drawing notes to scientific restitution. The principles of general mechanics, statics, the geometry of masses and vector and tensor fields; The principles of thermodynamics, acoustics and optics; The principles of fluid, hydraulics, electricity and electromagnetism mechanics; the basis of topography and mapping and terrain modification techniques.
	E11	Capacity to Perform safety projects, evacuation and protection properties (T); Compose civil engineering projects (T); Design and execute urban layouts and development projects, gardening and landscape (T); Apply standards and building regulations; Develop environmental, landscape and correction of environmental impacts studies(T).
	E12	Adequate knowledge of: General theories of form, composition and architectural types; The general history of architecture; The methods of studying the processes of symbolisation, practical functions and ergonomics; The methods to study social needs, quality of life, habitability and basic housing programmes; Ecology, sustainability and the principles of conservation of energy and environmental resources; Architectural, urban and landscape traditions of Western culture, as well as their technical, climatic, economic, social and ideological foundations; Aesthetics and theory and history of fine arts and applied arts; The relationship between cultural patterns and social responsibilities of the architect; The bases of vernacular architecture; Sociology, theory, economics and urban history; The methodological foundations of urban planning and territorial and metropolitan management; Drafting mechanisms and management of urban plans at any scale.
	E13	Knowledge of: Civil, administrative, urban laws of the building industry and the professional performance; Feasibility analysis and supervision and coordination of integrated projects; The real estate appraisal.
Regulated profession competences	P02	Adequate knowledge of the history and theories of architecture as well as the arts, technology and human sciences.
	P03	Knowledge of the fine arts as an influence on the quality of architectural design.
	P05	Ability to understand the relationships between people and buildings and between them and their

		environment, and the need to relate buildings and the spaces between them depending on the needs and the human scale.
	P06	Ability to understand the architectural profession and its role in society, in particular by developing projects that take social factors into account.
Learning outcomes	R01	Appreciate the culture of knowledge accumulated throughout history as a key factor to develop sensitivity for the inherited property, and be able to reinterpret from two points of view: Know how to form opinions on what they saw and how others saw and know how to form opinions for themselves.
	R02	Develop their creativity in art and architecture, to challenge existing solutions, to improve them or adapt them to the circumstances of each case.
	R03	Understand the architectural profession and its role in society, in particular by developing projects that take social, historical and cultural factors into account.
	R04	Appreciate knowledge of the fine arts as an influence on the quality of architectural design.
	R05	Apply the adequate knowledge of the history and theories of architecture as well as the arts, technology and human sciences.

PRE-REQUISITES:

The student must have approved *Cultura y Teoría en Arquitectura I, II, III y IV*.

The student must have approved *Teoría e Historia del Urbanismo tratados en Urbanismo I, II, III*.

The student must attend the class on a regular basis.

SUBJECT PROGRAMME:

Subject contents:

1 - General approach to the subject
2 - Le Corbusier: industry, purism and architecture
3 - Mies van der Rohe: expression of technology
4 - Alvar Aalto: scandinavian organicism
5 - The monumentalism of Louis Kahn and the Critical Regionalism approach from Barragán, Moneo and Siza
6 - Industry and technology: Norman Foster and Renzo Piano
7 - Deconstructivism: Eisenman, Ghery, Hadid and Libeskind
8 - Mass-media and modern iconography: Koolhaas, H&M and SANAA.

Subject planning could be modified due unforeseen circumstances (group performance, availability of resources, changes to academic calendar etc.) and should not, therefore, be considered to be definitive.

TEACHING AND LEARNING METHODOLOGIES AND ACTIVITIES:

Teaching and learning methodologies and activities applied:

Class format: Lecture followed by an open discussion on the subject. Student participation is required.

DUE TO COVID - 19 EMERGENCY SITUATION ONLINE CLASSES WILL BE TAKING PLACE ON REGULAR BASIS ACCORDING TO A POSTED SCHEDULE.

Student work load:

Teaching mode	Teaching methods	Estimated hours
Classroom activities	Master classes	22
	Debates	10
Individual study	Tutorials	1

	Individual study	22
	Research work	10
	Compulsory reading	10
	Total hours:	75

ASSESSMENT SCHEME:

Calculation of final mark:

Individual coursework:	25	%
Final exam:	75	%
TOTAL	100	%

*Las observaciones específicas sobre el sistema de evaluación serán comunicadas por escrito a los alumnos al inicio de la materia.

BIBLIOGRAPHY AND DOCUMENTATION:

Basic bibliography:

FRAMPTON, Kenneth, Historia crítica de la arquitectura moderna, Barcelona: Gustavo Gili, 1998.

Recommended bibliography:

BENÉVOLO, Leonardo, Historia de la arquitectura moderna, Barcelona: Gustavo Gili, 1982.
 BIRAGHI, Marco, Storia dell'architettura contemporanea Vol. I, Torino: Einaudi, 2008.
 COHEN, Jean Louis, The Future of Architecture since 1889, Phaidon Press, 2012.
 TAFURI, Manfredo y DAL CO, Francesco, Arquitectura Contemporánea, Aguilar Ediciones, Madrid, 1978
 ZEVI, Bruno, Historia de la arquitectura moderna, Barcelona: Editorial Poseidón, 1980.

Recommended websites:

ACADEMIA.EDU Architectural History	https://www.academia.edu/People/Architectural_History
ACADEMIA.EDU Architectural Theory	https://www.academia.edu/People/Architectural_Theory
SOCIETY OF ARCHITECTURAL HISTORIANS	http://www.sah.org/publications-and-research

* Guía Docente sujeta a modificaciones