



1. General information

Course: ARCHITECTURE AND URBANISM DESIGN STUDIO IV
Type: CORE COURSE
Degree: 378 - UNDERGRADUATE DEGREE PROGRAMME IN ARCHITECTURE
Center: 606 - SCHOOL OF ARCHITECTURE OF TOLEDO
Year: 3

Main language: Spanish

Use of additional languages:

Web site:

Code: 11316

ECTS credits: 18

Academic year: 2022-23

Group(s): 40

Duration: First semester

Second language: English

English Friendly: Y

Bilingual: N

Lecturer: CARLOS DEL CARMEN ASENSIO-WANDESELL GARCIA - Group(s): 40

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Lecturer: JUAN IGNACIO MERA GONZALEZ - Group(s): 40

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Lecturer: MARIA DEL CARMEN MOTA UTANDA - Group(s): 40

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2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree competences achieved in this course

Course competences

Code	Description
E02	Adequate and applied knowledge of metric and projective geometry in architecture and urban planning
E06	Adequate knowledge applied to architecture and urban planning of spatial representation systems: the analysis and theory of form and the laws of visual perception
E07	Adequate knowledge applied to architecture and urban planning in all its phases, from the drawing of notes to scientific restitution.
E08	Adequate and applied knowledge in architecture and urban planning of the basics of topography, hypsometry and cartography and techniques of land modification
E09	Ability to apply graphic knowledge to the representation of spaces and objects
E10	Ability to conceive and represent the visual attributes of objects
E11	Ability to master proportion
E12	Ability to master drawing techniques
E13	Ability to master computer drawing techniques
E14	Ability to apply technical and constructive standards
E28	Applied knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources
E32	Ability to conceive, calculate, design, integrate and implement foundation solutions in buildings and urban complexes
E34	Ability to conceive, calculate, design, integrate and execute in buildings and urban complexes enclosure systems, roofs and other heavy construction work.
E35	Ability to conceive, calculate, design, integrate and execute in buildings and urban complexes an interior partitioning system, carpentry, staircases and other finished works.
E36	Ability to conceive, calculate, design, integrate and execute in buildings and urban complexes Water supply, treatment and drainage systems
E37	Ability to design, calculate, design, integrate and implement heating and air-conditioning systems in buildings and district assemblies
E38	Ability to solve passive environmental conditioning
E39	Ability to solve thermal and acoustic conditioning, climate control
E40	Ability to solve energy efficiency and natural lighting problems
E43	Ability to design building and urban installations for electrical transformation and supply, from communication to audio-visual.
E44	Ability to design building and urban installations for acoustic conditioning and artificial lighting
E45	Ability to apply and exercise architectural criticism
E46	Ability to catalogue built and urban heritage and plan its protection
E47	Ability to implement planning regulations and ordinances
E48	Applied knowledge of general theories of form, composition and architectural types
E49	Applied knowledge of the general history of architecture
E50	Applied knowledge of the aesthetics and theory and history of fine and applied arts
E51	Applied knowledge of the relationship between cultural patterns and the architect's social responsibilities
E52	Applied knowledge of the basics of vernacular architecture
E53	Applied knowledge of the architectural, urban and landscape traditions of the urban and landscape traditions of Western culture, as well as their technical, climatic, economic, social and ideological foundations.
E54	Applied knowledge of feasibility analysis and the supervision and coordination of integrated projects
E55	Applied knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources
E56	Applied knowledge of the methodological foundations of urban planning and spatial and metropolitan planning
E57	Applied knowledge of the mechanisms for drafting and managing urban plans at any scale
E58	Applied knowledge of urban sociology, theory, economics and history
E59	Applied knowledge of civil, administrative and urban planning regulations, building regulations, building regulations, building regulations, building regulations and industry regulations and professional performance regulations.
E60	Applied knowledge of feasibility analysis and the supervision and coordination of integrated projects
E61	Applied knowledge of real estate appraisal
E62	Applied knowledge of the study methods of symbolization processes, practical functions and ergonomics
E63	Applied knowledge of methods of studying social needs, quality of life, habitability and basic housing programmes
E64	Ability to develop functional building programmes
E65	Ability to develop functional programmes for urban spaces
E66	Skills in the practical design and development of basic and implementation projects, sketches and preliminary projects
E67	Skills for practical conception and development of urban projects
E68	Competence in the practical design and development of construction management
E69	Ability to intervene in and conserve, restore and rehabilitate built heritage
E70	Ability to remove architectural barriers
E71	Ability to solve passive environmental conditioning
E72	Ability to solve thermal and acoustic conditioning, climate control
E73	Ability to solve energy efficiency and natural lighting problems
E74	Ability to prepare environmental, landscape and environmental impact correction studies
E75	Ability to write security, evacuation and property protection projects
E76	Ability to write civil works projects
E77	Ability to design and execute urban layouts
E78	Ability to design and implement development projects
E79	Ability to design and execute landscape and gardening projects
G01	Capacity for analysis and synthesis
G02	Organizational and planning skills
G03	Information management capacity
G04	Problem solving
G05	Decision making
G06	Critical thinking
G07	Working in a team
G08	Working in an interdisciplinary team
G09	Working in an international context
G10	Interpersonal skills
G11	Recognition of diversity and multiculturalism
G12	Self-directed learning
G13	Adaptation to new situations
G14	Conflict management and negotiation
G15	Sensitivity to environmental issues

G19	Creativity
G18	Leadership
G19	Initiative and entrepreneurship
G20	Innovation
G20	Motivation for quality
G22	Mastery of Information and Communication Technologies (ICT)
G23	Correct oral or written communication
G24	Ethical commitment and professional ethics

5. Objectives or Learning Outcomes

Course learning outcomes

Not established.

Additional outcomes

6. Units / Contents

Unit 1:

Unit 1.1

Unit 1.2

Unit 1.3

Unit 2:

Unit 2.1

Unit 2.2

Unit 2.3

Unit 2.4

Unit 2.5

Unit 3:

Unit 3.1

Unit 3.2

Unit 3.3

Unit 3.4

Unit 3.5

Unit 3.6

Unit 3.7

Unit 3.8

Unit 3.9

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E02 E06 E07 E08 E09 E10 E11 E12 E13 E14 E28 E46 E47 E48 E49 E50 E51 E52 E53 E58 E63	0.25	6.25	Y	N	
Class Attendance (practical) [ON-SITE]	project-based learning	E02 E06 E07 E08 E09 E10 E11 E12 E13 E28 E38 E39 E40 E45 E46 E48 E49 E50 E51 E52 E55 E58 E63 E64 E65 E66 E67 E69 E70 E71 E72 E73 E74 E77 E78 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 G16 G17 G18 G19 G20 G22 G24	2.65	66.25	Y	N	
Problem solving and/or case studies [ON-SITE]	project-based learning	E02 E06 E07 E08 E09 E10 E11 E12 E13 E28 E38 E39 E40 E45 E48 E49 E50 E51 E52 E55 E63 E64 E66 E70 E71 E72 E73 E74 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 G16 G17 G18 G19 G20 G22 G23 G24	0.7	17.5	Y	N	
Writing of reports or projects [OFF-SITE]	project-based learning	E02 E06 E07 E09 E10 E11 E12 E13 E14 E38 E39 E40 E44 E46 E47 E48 E49 E52 E64 E66 G01 G02 G03 G04 G05 G06 G11 G12 G15 G16 G18 G19 G20 G22 G23	3.6	90	Y	N	
Writing of reports or projects [OFF-SITE]	Group Work	E02 E06 E07 E09 E10 E11 E12 E13 E14 E38 E39 E40 E44 E45 E48 E49 E50 E51 E55 E58 E64 E66 E70 G01 G02 G03 G04 G05 G07 G11 G12 G13 G14 G15 G16 G17 G18 G19 G20 G22 G23	1.8	45	Y	N	
Class Attendance (theory) [ON-SITE]	Lectures	E28 E51 E53 E70 E76 E78 E79 G01 G02 G03 G20 G24	0.28	7	N	-	
In-class Debates and forums [ON-SITE]	Combination of methods	E51 E53 E54 E55 E60 E63 E65 E66 E67 E68 E71 G01 G02 G03 G06 G07 G08 G09 G10 G11 G13 G14 G15 G17 G20 G24	0.4	10	Y	N	
Workshops or seminars [ON-SITE]	Combination of methods	E06 E07 E08 E09 E10 E11 E12 E13 E28 E51 E53 E70 E74 E76 E78 E79 G01 G02 G03 G04 G05 G06 G07 G10 G11 G13 G14 G15 G16 G17 G18 G19 G20 G22 G23 G24	1.02	25.5	Y	N	
Writing of reports or projects [OFF-SITE]	Combination of methods	E06 E07 E08 E09 E10 E11 E12 E13 E28 E49 E50 E51 E53 E54 E55 E60 E63 E65 E66 E67 E68 E70 E71 E74 E76 E78 E79 G01 G02 G03 G04 G05 G06 G07 G08 G10 G11 G12 G13 G14 G15 G16 G17 G18 G19 G20 G22 G23 G24	2.5	62.5	Y	N	
Analysis of articles and reviews [OFF-SITE]	Reading and Analysis of Reviews and Articles	E51 E53 G01 G02 G03 G11 G12 G15 G20 G23	0.2	5	Y	N	
Final test [ON-SITE]	Assessment tests		0.1	2.5	Y	Y	
Class Attendance (theory) [ON-SITE]	Lectures	E45 E46 E48 E49 E50 E51 E52 E53 G01 G03 G06 G12 G23	1	25	N	-	
Writing of reports or projects [OFF-SITE]	Combination of methods	E45 E46 E48 E49 E50 E51 E52 E53 E69 G01 G02 G03 G04 G05 G06 G07 G08 G10 G11 G12 G13 G22 G23 G24	2.7	67.5	Y	N	
Workshops or seminars [ON-SITE]	Combination of methods	E45 E46 E48 E49 E50 E52 E53 G04 G06 G07 G11 G23	0.5	12.5	N	-	
Formative Assessment [ON-SITE]	Combination of methods	E45 E46 E48 E49 E50 E51 E52 E53 G01 G03 G06 G23	0.2	5	Y	Y	
Final test [ON-SITE]	Assessment tests	E45 E48 E49 E50 E51 E53 G01 G03 G23	0.1	2.5	Y	Y	
Total:			18	450			
Total credits of in-class work: 7.2			Total class time hours: 180				
Total credits of out of class work: 10.8			Total hours of out of class work: 270				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Other methods of assessment	100.00%	100.00%	
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates

Not related to the syllabus/contents

Hours	hours
Unit 1 (de 3):	
Activities	Hours

Class Attendance (theory) [PRESENCIAL][Lectures]	17.5
Class Attendance (practical) [PRESENCIAL][project-based learning]	55
Problem solving and/or case studies [PRESENCIAL][project-based learning]	17.5
Writing of reports or projects [AUTÓNOMA][project-based learning]	90
Writing of reports or projects [AUTÓNOMA][Group Work]	45
Group 40:	
Initial date: 07/09/2018	End date: 22/12/2018
Unit 2 (de 3):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	7
In-class Debates and forums [PRESENCIAL][Combination of methods]	7
Workshops or seminars [PRESENCIAL][Combination of methods]	28
Writing of reports or projects [AUTÓNOMA][Combination of methods]	60
Analysis of articles and reviews [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	7.5
Final test [PRESENCIAL][Assessment tests]	3
Group 40:	
Initial date: 07/09/2018	End date: 22/12/2018
Unit 3 (de 3):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	25
Writing of reports or projects [AUTÓNOMA][Combination of methods]	67.5
Workshops or seminars [PRESENCIAL][Combination of methods]	12.5
Formative Assessment [PRESENCIAL][Combination of methods]	5
Final test [PRESENCIAL][Assessment tests]	2.5
Group 40:	
Initial date: 07/09/2018	End date: 22/12/2018
Global activity	
Activities	hours
Problem solving and/or case studies [PRESENCIAL][project-based learning]	17.5
Writing of reports or projects [AUTÓNOMA][project-based learning]	90
Writing of reports or projects [AUTÓNOMA][Group Work]	45
Class Attendance (theory) [PRESENCIAL][Lectures]	7
In-class Debates and forums [PRESENCIAL][Combination of methods]	7
Workshops or seminars [PRESENCIAL][Combination of methods]	28
Writing of reports or projects [AUTÓNOMA][Combination of methods]	60
Analysis of articles and reviews [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	7.5
Final test [PRESENCIAL][Assessment tests]	3
Class Attendance (theory) [PRESENCIAL][Lectures]	25
Writing of reports or projects [AUTÓNOMA][Combination of methods]	67.5
Class Attendance (theory) [PRESENCIAL][Lectures]	17.5
Class Attendance (practical) [PRESENCIAL][project-based learning]	55
Final test [PRESENCIAL][Assessment tests]	2.5
Formative Assessment [PRESENCIAL][Combination of methods]	5
Workshops or seminars [PRESENCIAL][Combination of methods]	12.5
Total horas: 450	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	City	ISBN	Year	Description
Marchán Fiz, Simón	Las vanguardias históricas y sus sombras. Summa Artis	Espasa	Madrid		2001	
Watkin, David	Historia de la Arquitectura Occidental	Könemann	Colonia		2001	
María Xalabarder Arlet	LA PRÁCTICA DEL URBANISMO. Guía básica	Políticas urbanas		978-84-7426-921-5	2007	
Whyte, William, H.	The social life of small urban spaces	Project fo Public Spaces			1980	U
	Alvar Aalto : [Das gesamtwerk = L'oeuvre complète = The comp	Birkhäuser Verlag		3-7643-5500-X (o.c.)	1995	P
	Le Corbusier et Pierre Jeanneret : oeuvre complète [en 8 vol	Birkhäuser Publisher		978-3-7643-5515-9 (o	2006	P
Martín Hernández, Manuel J.	La Invención de la arquitectura	Celeste		84-8211-091-8	1997	C
Mies van der Rohe, Ludwig	Escritos, diálogos y discursos	Colegio Oficial de Aparejadores y Arquitectos T		84-500-5001-4	1981	P
Monlús, J	La ciudad dispersa : suburbanización y nuevas periferias	Centre de Cultura Contemporània de Barcelona		84-88811-35-7	1998	U
Montaner, Josep Maria	As formas do século XX	Gustavo Gili		84-252-1897-7	2002	C
Montaner, Josep Maria	Sistemas arquitectónicos contemporáneos	Gustavo Gili		978-84-252-2190-3	2009	C
Moughlin, Cliff	Urban design: street and square	Architectural Press		0-7506-5717-0	2003	U
MÜLLER, W. y VOGEL, G	Atlas de la arquitectura	Alianza			1984	C
Neufert, Ernst (1900-1986)	Arte de proyectar en arquitectura : fundamentos, normas, pre	Gustavo Gili		978-84-252-2167-5	2010	P
Norberg-Schulz, Christian	Intenciones en Arquitectura	Gustavo Gili		978-84-252-1750-0	2008	P
Norberg-Schulz, Christian	Los principios de la arquitectura moderna : sobre la nueva t	Reverté		978-84-291-2107-0	2009	C
PATTETA, L	Historia de la Arquitectura. Antología crítica	Celeste			1997	C
Paricio Ansuategui, Ignacio	Vocabulario de arquitectura y construcción	Bisagra		84-923125-6-4	2006	P
Pevsner, Nikolaus	Breve historia de la arquitectura europea	Alianza Editorial		84-206-7126-6	1994	C
Pevsner, Nikolaus	Pioneros del diseño moderno : de William Morris a Walter Gro	Infinito		987-9393-03-1	2003	P
Piñón, Helio Pérez	Curso básico de proyectos	Universidad Politécnica de Cataluña		84-8301-256-1	1998	P
Cambra, María del Mar	Construcción sostenible de espacio público /	Iniciativa Digital Politécnica, Oficina de Publica		978-84-9880-515-4	2015	U
Rasmussen, Steen Eiler	La Experiencia de la arquitectura : sobre la percepción de n	Reverté		84-291-2105-6	2007	P
Ronner, Heinz	Louis Kahn / Complete Works 1935-74	Birkhäuser Publishers			1987	P
Rossi, Aldo	La arquitectura de la ciudad	Gustavo Gili		978-84-252-1606-0	2007	U
Rowe, Colin	Ciudad collage	Gustavo Gili		84-252-1047-X	1981	U
Rudolsky, Bernard (1905-1988)	Architecture without architects : a short introduction to no	University of New Mexico		0-8263-1004-4	1987	P
Sainz Gutiérrez, Victoriano	El proyecto urbano en España : génesis y desarrollo de un ur	Universidad de Sevilla		84-472-1015-4	2006	U
Sica, Paolo (1935-)	Historia del Urbanismo : el siglo XX	Instituto de Estudios de Administración Local		84-7088-275-9	1981	U
Aicher, Otl	El mundo como proyecto	Gustavo Gili		978-84-252-2028-9	2007	P
Arnheim, R.	La forma visual de la arquitectura	Gustavo Gili		84-2521-827-6	2001	P
Bachelard, Gaston	La Poética del espacio	Fondo de Cultura Económica		978-16-0923-8	2010	P
Barasch, Moshe	Teorías del arte : de Platón a Winckelmann	Alianza Editorial		978-84-206-7108-6	2010	C
Benevolo, Leonardo	Historia de la arquitectura moderna	Gustavo Gili		84-252-0797-5	1987	P

Benévolo, Eugenio	Diseño de la ciudad	Gustavo Gili	8425210275	1981	C
Delgado, Manuel	Mies van der Rohe : the art of structure = Die Kunst der Str	Whitney Library of Design	0-8230-3064-4	1994	P
Borja, Jordi	El espacio público: ciudad y ciudadanía	Electa Diputació de Barcelona	84-7794-904-2 (Diput	2003	U
Ching, Francis D.K.	La arquitectura : forma, espacio y orden	Gustavo Gili	978-84-252-2344-0	2010	P
Conrads, Ulrich	Programas y manifiestos de la arquitectura del siglo XX	Lumen	84-264-1101-0	1973	C
Cullen, Gordon	El paisaje urbano: tratado de estética urbanística	Blume	84-7031-203-0	1974	U
Curtis, William J. R.	La arquitectura moderna desde 1900	Phaidon	978-0-7148-9850-6	2006	P
Curtis, William J. R.	Le Corbusier: Ideas y formas	Blume		1997	P
De Benedetti, M. y Pracchi, A.	Antologia dell'architettura moderna. Testi, manifesti, utopie	Zanichelli		1988	C
Delgado, Manuel	El espacio público como ideología	Catarata	978-84-8319-595-6	2011	U
Focillon, Henri	La vida de las formas	Xarait	84-85434-19-6	1983	P
Frampton, Kenneth	Historia crítica de la arquitectura moderna	Gustavo Gili	978-252-84-2274-0	2009	C
García Roig, José Manuel	Elementos de análisis arquitectónico	Universidad de Valladolid		1988	C
Gehl, Jan & Birgitte	How to study public life	Island Press		2013	U
Gehl, Jan	Cities for people	Island Press	978-1-59726-574-4	2010	U
Giedion, Siegfried	Espacio, tiempo y arquitectura : (el futuro de una nueva tra	Dossat	84-237-0375-4	1982	C
Gonzalez Garcia, Angel	Escritos de arte de vanguardia 1900/1945	Turner Fundación F. Orbegozo	84-85137-89-2	1979	C
Hereu Payet, Pere	Textos de arquitectura de la modernidad	Nerea	84-86763-85-1	1999	C
Holden, Robert	Diseño del espacio público internacional	Gustavo Gili	84-252-1703-2	1996	U
Jacobs, Allan B.	Grandes calles	Servicio de Publicaciones de la Universidad de	84-8102-119-9	1996	U
Jacobs, Jane	Muerte y vida de las grandes ciudades	edicions 62Península	84-297-0863-4	1973	U
Juli Esteban Noguera,	La ordenación urbanística: conceptos, herramientas y prácticas	UPCPOSTGRAU	Barcelona 978-84-7653	2011	
	https://www.google.es/url?sa=t&rcit=j&q=&esrc=s&source=web&cd=2&ved=0ahUKEwjFzrr49eLUAhWCJVAKHQYcAm4QFgg0MAE&url=https%3A%2F%2Fupcommons.upc.edu%2Fbitstream%2Fhandle%2F2099.3%2F36652%2F9788476537497.pdf&usq=AFQjCNG-AHCveopTg_yvL_2QJov945vE-A&cad=rja				
Kostof, Spiro	Historia de la arquitectura	Alianza Editorial	978-84-206-7996-9	2006	C
Krull, Hanno-Walter	Historia de la teoría de la arquitectura	Alianza	84-206-7996-8 (o.c.)	1990	C
Le Corbusier (1887-1965)	El espíritu nuevo en arquitectura : en defensa de la arquite	Colegio Oficial de Aparejadores y Arquitectos T	84-500-8440-7	2005	P
Le Corbusier (1887-1965)	El modulator	Poseidon	84-85083-03-2 (vol.	1980	P
Le Corbusier (1887-1965)	Hacia una arquitectura	Apóstrofe	84-455-0174-7	1998	P
Le Corbusier (1887-1965)	Precisiones respecto a un estado actual de la arquitectura y	Apóstrofe	84-455-0183-6	1999	P
Lleó, B	Sueño de habitar	Fundación Caja de Arquitectos	Barcelona	1998	C
Lyall, Sutherland	Landscape: diseño del espacio público : parques, plazas, jar	Gustavo Gili	84-252-1494-7	1991	U
Loos, Adolf	Ornamento y delito y otros escritos	Gustavo Gili	84-252-0012-1	1980	P
MARTÍ ARIS, C	formas de residencia en la ciudad moderna: vivienda y ciudad en la Europa de entreguerras	Ediciones UPC Universitat Politècnica de Catalu		2000	C
Manchón, L. Felipe	Recomendaciones para el proyecto y diseño del viario urbano	Dirección General para la Vivienda, el Urbanismo y	84-498-0091-9	1995	U
Trachana, Angelique	La evolución de la forma del espacio público	Nobuko	978-987-584-185-7	2008	U
Trachtenberg, M. y Hyman, I.	Arquitectura de la Prehistoria a la Postmodernidad. La tradición occidental	Akal	Madrid	1990	