

**1. General information****Course:** DRAWING. I. ELEMENTS OF DESIGN**Type:** BASIC**Degree:** 378 - UNDERGRADUATE DEGREE PROGRAMME IN ARCHITECTURE**Center:** 606 - SCHOOL OF ARCHITECTURE OF TOLEDO**Year:** 1**Main language:** Spanish**Use of additional languages:****Web site:****Code:** 11304**ECTS credits:** 6**Academic year:** 2022-23**Group(s):** 40**Duration:** First semester**Second language:** English**English Friendly:** Y**Bilingual:** Y

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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
G01	Capacity for analysis and synthesis
G02	Organizational and planning skills
G03	Information management capacity
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
G16	Creativity
G17	Leadership
G18	Initiative and entrepreneurship
G19	Innovation
G20	Motivation for quality

5. Objectives or Learning Outcomes**Course learning outcomes**

Description

To provide the student with the ability to apply graphic procedures to the representation of spaces and objects and to conceive and represent the visual attributes of objects and to master the proportion and techniques of drawing, including computer science.

Involve the student in the restlessness and knowledge of artistic action as a basis for the attitude to be learned and encouraged in project work.

To obtain an adequate knowledge applied to architecture and urban planning of spatial representation systems, the analysis and theory of the form and laws of visual perception, the techniques of graphic survey in all its phases, from the drawing of notes to the scientific restitution and basic knowledge of topography, hypsometry, cartography and techniques of land modification

Additional outcomes

6. Units / Contents

Unit 1:

Unit 1.1

Unit 2:

Unit 2.1

Unit 3:

Unit 3.1

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	0.9	22.5	Y	N	
Class Attendance (practical) [ON-SITE]	Project/Problem Based Learning (PBL)	E09 E10 E11 E12 E13 G01 G02 G03 G05 G06 G07 G10 G11 G12 G13 G16 G17 G18 G19 G20	1.5	37.5	Y	N	
Other off-site activity [OFF-SITE]	Combination of methods	E09 E10 E11 E12 E13 G01 G02 G03 G05 G06 G07 G08 G09 G10 G11 G12 G13 G16 G17 G18 G19 G20	3.6	90	Y	N	
Total:			6	150			
Total credits of in-class work: 2.4			Total class time hours: 60				
Total credits of out of class work: 3.6			Total hours of out of class work: 90				

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]	7.5
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	12.5
Other off-site activity [AUTÓNOMA][Combination of methods]	30
Unit 2 (de 3):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	7.5
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	12.5
Other off-site activity [AUTÓNOMA][Combination of methods]	30
Unit 3 (de 3):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	7.5
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	12.5
Other off-site activity [AUTÓNOMA][Combination of methods]	30
Global activity	
Activities	hours
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	37.5
Other off-site activity [AUTÓNOMA][Combination of methods]	90
Class Attendance (theory) [PRESENCIAL][Lectures]	22.5
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	City	ISBN	Year	Description
Aicher, Otl	El mundo como proyecto	Gustavo Gili		978-84-252-2028-9	2007	
Benevolo, Leonardo	Historia de la arquitectura moderna	Gustavo Gili		84-252-0797-5	1982	
Ching, Francis D.K.	Dibujo y proyecto	Gustavo Gili		978-84-252-2081-4	2007	
Ching, Francis D.K.	La arquitectura : forma, espacio y orden	Gustavo Gili		978-84-252-2344-0	2010	
Ching, Frank	Manual de dibujo arquitectónico	Gustavo Gili		968-887-020-X	1992	
Hertzberger, Herman	Lessons for students in architecture	010 Publishers	Rotterdam		2009	
Le Corbusier	Hacia una arquitectura	Apóstrofe	Madrid		2006	
Neufert, Ernst (1900-1986)	Arte de proyectar en arquitectura : fundamentos, normas, pre	Gustavo Gili		84-252-2051-3	2006	
Norberg Schulz, Christian	Existencia, espacio y arquitectura	Blume	Barcelona		1975	
Rasmussen, Steen Eiler	La Experiencia de la arquitectura : sobre la percepción de n	Reverté		84-291-2105-6	2007	
Venturi, Robert	Complejidad y contradicción en la arquitectura,	Gustavo Gili	Barcelona		1974	
Zevi, Bruno	Saber ver la arquitectura : ensayo sobre la interpretación e	Poseidón		84-85083-01-6	1979	
Jackson, Paul	Técnicas de plegado para diseñadores y arquitectos.	Promotora Prensa Internacional		8492810211	2011	
Jackson, Paul	Structural Packaging: Design your own Boxes and 3D Forms	Laurance King Publishing		18566975	2012	
Press, Pepin	Basic Packaging	The Pepin Press Edition		9057681439	2010	
Vignola	Reglas de los cinco órdenes de arquitectura de Vignola	En la Imprenta de Manuel González	Madrid		1792	
Palladio, Andrea	Los cuatro libros de la arquitectura	Akal	Madrid	9788446028598	2008	
Vitrubio Polión, Marco	Los diez libros de architecture	Old Book Factory	Vitoria	8460777391	2003	
Steeleman, Enrique; Acebillo, José	Las medidas de la arquitectura	GG	Barcelona	9788425226571	2008	
Pevsner, Nikolaus	Pioneros del diseño moderno : de William Morris a Walter Gro	Infinito		987-9393-03-1	2000	
Sennett, Richard	Construir y habitar	Anagrama		978-84-339-6433-5	2019	
Sennett, Richard	El artesano	Anagrama		978-84-339-6091-7	2019	