



1. General information

Course: CONSTRUCTION I

Type: CORE COURSE

Degree: 378 - UNDERGRADUATE DEGREE PROGRAMME IN ARCHITECTURE

Center: 606 - SCHOOL OF ARCHITECTURE OF TOLEDO

Year: 2

Main language: Spanish

Use of additional
languages:

Web site:

Code: 11311

ECTS credits: 9

Academic year: 2021-22

Group(s): 40

Duration: C2

Second language: English

English Friendly: Y

Bilingual: N

Lecturer: DANIEL FERNANDEZ-CARRACEDO PEREZ - Group(s): 40				
Building/Office	Department	Phone number	Email	Office hours
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Lecturer: JUAN IGNACIO MERA GONZALEZ - 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
E14	Ability to apply technical and constructive standards
E15	Ability to preserve building structures, foundations and civil works
E16	Ability to preserve the thick work
E17	Ability to preserve the finished work
E18	Ability to maintain facilities
E19	Applied knowledge of the plastic, elastic and constructive qualities of heavy building materials
E20	Applied knowledge of the physical and chemical characteristics of building materials
E21	Applied knowledge of production procedures, pathology and use of construction materials
E22	Applied knowledge of conventional construction systems and their pathology
E23	Applied knowledge of industrialized construction systems
E24	Applied knowledge of the professional office organization
E25	Applied knowledge of property management and administration
E26	Applied knowledge of measurement, valuation and expertise methods
E27	Applied knowledge of the health and safety project on site, now health and safety
E28	Applied knowledge of ecology, sustainability and the principles of conservation of energy and environmental resources
E30	Applied knowledge of ethics, collegial organization, professional structure, and civil liability
E31	Applied knowledge of administrative, management and professional procedures
E41	Suitability for construction management
E42	Ability to evaluate the works
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
G12	Self-directed learning
G16	Creativity
G17	Leadership
G18	Initiative and entrepreneurship
G19	Innovation
G22	Mastery of Information and Communication Technologies (ICT)
G24	Ethical commitment and professional ethics

5. Objectives or Learning Outcomes

Course learning outcomes

Description

To provide the student with the ability to calculate, design, integrate into buildings and urban complexes and to execute interior partitioning systems, carpentry, staircases and other finished works, as well as enclosure systems, roofing and other thick works.

To provide the student with the ability to apply the technical and construction standards, to evaluate the works and to execute, supervise and preserve the building structures, the foundations and civil works and the finished work, as well as the ability to preserve the thick work.

To transmit to the student an adequate knowledge of conventional construction systems and their pathology, physical and chemical characteristics and production procedures, as well as to propose the study and research of new ways of thinking and facing construction in constant adaptation to the new techniques actively proposed by industry and the market.

Additional outcomes

6. Units / Contents

Unit 1:

Unit 2:

Unit 3:

Unit 4:

Unit 5:

Unit 6:

Unit 7:

Unit 8:

Unit 9:

Unit 10:

Unit 11:

Unit 12:

Unit 13:

Unit 14:

Unit 16:

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	E14 E15 E16 E17 E18 E19 E20 E21 E22 E23 E24 E25 E26 E27 E28 E30 E31	1.72	43	N	-	
Class Attendance (practical) [ON-SITE]	Practical or hands-on activities	E41 E42 G01 G02 G03 G04 G05 G06 G07 G08 G12 G16 G17 G18 G19 G22 G24	1.72	43	N	-	
Other off-site activity [OFF-SITE]	Combination of methods	E14 E15 E16 E17 E18 E19 E20 E21 E22 E23 E24 E25 E26 E27 E28 E30 E31 E41 E42 G01 G02 G03 G04 G05 G06 G07 G08 G12 G16 G17 G18 G19 G22 G24	5.4	135	N	-	
Final test [ON-SITE]	Assessment tests	E14 E15 E16 E17 E18 E19 E20 E21 E22 E23 E24 E25 E26 E27 E28 E30 E31 E41 E42 G01 G02 G03 G04 G05 G06 G07 G08 G12 G16 G17 G18 G19 G22 G24	0.16	4	Y	Y	
Total:			9	225			
Total credits of in-class work: 3.6			Total class time hours: 90				
Total credits of out of class work: 5.4			Total hours of out of class work: 135				

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%	60.00%	
Test	0.00%	40.00%	
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
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	43
Other off-site activity [AUTÓNOMA][Combination of methods]	135
Final test [PRESENCIAL][Assessment tests]	4
Unit 1 (de 15):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	43
Global activity	
Activities	hours
Other off-site activity [AUTÓNOMA][Combination of methods]	135
Class Attendance (theory) [PRESENCIAL][Lectures]	43
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	43
Final test [PRESENCIAL][Assessment tests]	4
Total horas: 225	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Richard Sennett	EL ARTESANO	Anagrama		978-84-339-6091-7	2021	
Ignacio Paricio	VOCABULARIO DE ARQUITECTURA Y CONSTRUCCIÓN	bisagra		978-84-923125-6-6	1999	
Fernando Espuelas	MADRE MATERIA	Lampreave		9788461304226	2009	
Juhani Pallasmaa	LOS OJOS DE LA PIEL. LA ARQUITECTURA Y LOS SENTIDOS	Gustavo Gili		978-84-252-2626-7	2014	
Ignacio Paricio	LA CONSTRUCCIÓN DE LA ARQUITECTURA. LA COMPOSICIÓN V3	Itec		978-84-7853-244-5	1994	
Peter Beinhauer	ATLAS DE DETALLES CONSTRUCTIVOS	Gustavo Gili		9788425224720	2012	
Richard Weston	MATERIALES, FORMA Y ARQUITECTURA	Blume		978-8498012798	2008	
Andrea Deplazes	CONSTRUIR LA ARQUITECTURA	Gustavo Gili		978-84-252-2351-8	2010	Revista "TECTÓNICA" N° 1 al 41
	http://www.tectonica-online.com/					
	CTE					MINISTERIO DE TRANSPORTES, MOVILIDAD Y AGENDA URBANA
	https://www.codigotecnico.org/					
Ignacio Paricio	LA CONSTRUCCIÓN DE LA ARQUITECTURA / LOS ELEMENTOS V2	Itec		9788478532933	1986	
	ESTUDIOS SOBRE CULTURA TECTÓNICA. POÉTICAS DE LA CONSTRUCCIÓN EN LA ARQUITECTURA DE LOS SIGLOS XIX Y XX	Akal		978-84-460-1187-3	1999	
Ignacio Paricio	LA CONSTRUCCIÓN DE LA ARQUITECTURA. LAS TÉCNICAS V1	Itec		978-84-7853-291-9	1985	
James Strike	DE LA CONSTRUCCIÓN A LOS PROYECTOS	Reverté		978-84-291-2101-8	2004	
D.A.G. Reid	Principios de construcción	Gustavo Gili		978-8425210136	1980	
Steen Eiler Rasmussen	LA EXPERIENCIA DE LA ARQUITECTURA	Reverté		978-84-291-2105-6	2004	