

Course guide 210319 - SICR - Infrastructure Seminar: Construction and Recycling

Last modified: 14/12/2023

Unit in charge: Teaching unit:	Barcelona School of Architecture 753 - TA - Department of Architectural Technology.		
Degree:	DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).		
Academic year: 2023	ECTS Credits: 3.0	Languages: Catalan, Spanish	

LECTURER

Coordinating lecturer: NURIA MIRALLES DEL RIO - JORGE BLASCO MIGUEL

Segon quadrimestre:	
RR	
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DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB6. Translation from Spanish slope EAB7. Translation from Spanish slope EAB8. Translation from Spanish slope EAB9. Translation from Spanish slope EP1. Translation from Spanish slope EP19. Translation from Spanish slope EP2. Translation from Spanish slope ET1. Translation from Spanish slope ET2. Translation from Spanish slope

Generical:

CG4. Translation from Spanish slope CG5. Translation from Spanish slope

Transversal:

CT5. Translation from Spanish slope CT6. Translation from Spanish slope

Basic:

CB1. Translation from Spanish slope CB2. Translation from Spanish slope CB3. Translation from Spanish slope

CB4. Translation from Spanish slope

CB5. Translation from Spanish slope

TEACHING METHODOLOGY



LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Туре	Hours	Percentage
Self study	42,0	56.00
Hours large group	33,0	44.00

Total learning time: 75 h

CONTENTS

Description: go to the Catalan or Spanish version

INFRASTRUCTURE SEMINAR - CONSTRUCTION AND RECYCLING

Specific objectives: go to the Catalan or Spanish version

Related activities: go to the Catalan or Spanish version

Full-or-part-time: 78h Practical classes: 28h Self study : 50h

GRADING SYSTEM

Continuous assessment

Continuous assessment will be based on the work carried out by the student during the academic year, through the submission of assignments or the performance of written and/or oral tests, according to the criteria and timetable established.

Final assessment

If the continuous assessment is not positive, a second assessment may be carried out, which will consist of a final overall test in the established methodology according to the criteria of the lecturer in charge (written or oral test and/or submission of assignments).

Telematic continuous assessment

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously, by the methods established by the University and the School, with a periodic record of academic activity by submitting assignments, forums, questionnaires or any other means provided by the Atenea platform, or the alternative tools provided to the teaching staff. In situations in which this telematic teaching takes place when faceâ load load load load already begun, or for nonâ loacademic reasons, any alterations to the weightings or regular teaching control systems will be communicated in detail to all students on the Atenea platform for every subject.

Final telematic assessment

If the continuous telematic assessment is not positive, a second assessment may be carried out consisting of a final overall test in telematic format to be established in accordance with the criteria of the lecturers in charge and the ICT resources and tools provided by the University or the School.

The measures for adapting to distance teaching will be implemented in accordance with ICT security and personal data protection criteria to ensure compliance as regards Personal Data Protection legislation (RGPD and LOPDGDD).



BIBLIOGRAPHY

Basic:

- Torroja, Eduardo; Torroja, José Antonio. Razón y ser de los tipos estructurales. Edición revisada por José A. Torroja. Madrid: Colegio de Ingenieros de Caminos, Canales y Puertos, 2007. ISBN 9788438003701.

- Salvadori, Mario; Heller, Robert. Estructuras para arquitectos. 3ª ed. Buenos Aires: CP67, 1987. ISBN 9789509575141.

- Torres Tur, Elías. Arquitectura e infraestructuras. Madrid: Fundación Esteyco, cop. 2011. ISBN 9788493355364.

- Lyall, Sutherland. Maestros de la estructura : la ingeniería en las edificaciones innovadoras. Barcelona: Blume, cop. 2002. ISBN 9788495939128.

- Olgyay, Victor. Arquitectura y clima : manual de diseño bioclimático para arquitectos y urbanistas. Barcelona: Gustavo Gili, DL 1998. ISBN 9788425214882.

- Edificis de consum d'energia gairebé zero [on line]. 1a edició. Barcelona: Institut Català d'Energia, 2017 [Consultation: 07/07/2022]. Available on:

https://icaen.gencat.cat/web/.content/10 ICAEN/17 publicacions informes/04 coleccio QuadernPractic/quadern practic/arxius/11 E dificis energia zero.pdf.

- Arizmendi Barnes, Luis Jesús. Instalaciones urbanas : infraestructura y planeamiento. Madrid: Bellisco, 1990-1995. ISBN 9788485198597.

- Yáñez Parareda, Guillermo. Arquitectura solar e iluminación natural : conceptos, métodos y ejemplos. Madrid: Munilla-Lería, 2008. ISBN 9788489150812.

- Engel, Heino. Sistemas de estructuras = Sistemas estruturais. Barcelona: Gustavo Gili, 2001. ISBN 9788425231117.

Complementary:

- Hormigón y Acero. ACHE,

- Dijous a l'ACE: Quadrens d'estructures. Barcelona: l'Associació, 1996-.

RESOURCES

Other resources:

The materials and documents of the subject may be written indistinctly in any languages of instruction.