



Course guide

210111 - CIS I - Conditioning and Services I

Last modified: 16/02/2024

Unit in charge: Barcelona School of Architecture

Teaching unit: 753 - TA - Department of Architectural Technology.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).

Academic year: 2023

ECTS Credits: 6.0

Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: JUDIT LÓPEZ BESORA - HELENA COCH ROURA - CARLOS ALONSO MONTOLÍO

Others:

Primer quadrimestre:

CARLOS ALONSO MONTOLÍO - Grup: 1SM3

HELENA COCH ROURA - Grup: 1ST1

RAFAEL GARCIA HERNANDEZ - Grup: 1SM1

ELENA GARCÍA NEVADO - Grup: 1ST1

JUDIT LÓPEZ BESORA - Grup: 1SM1

JUAN ANTONIO MARIN HERRERA - Grup: 1SM3, Grup: 1ST1

AGNESE SALVATI - Grup: 1SM3

Segon quadrimestre:

HELENA COCH ROURA - Grup: 2ST2

ELENA GARCÍA NEVADO - Grup: 2SM2, Grup: 2ST2

JUDIT LÓPEZ BESORA - Grup: 2SM2

JUAN ANTONIO MARIN HERRERA - Grup: 2SM3, Grup: 2ST2

AGNESE SALVATI - Grup: 2SM3



DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

- ET11. Translation from Spanish slope
- ET12. Translation from Spanish slope
- ET16. Translation from Spanish slope
- ET2. Translation from Spanish slope
- ET1. Translation from Spanish slope
- ET9. Translation from Spanish slope
- ET10. Translation from Spanish slope
- ET14. Translation from Spanish slope
- EP19. Translation from Spanish slope
- ET15. Translation from Spanish slope
- ET17. Translation from Spanish slope
- ET18. Translation from Spanish slope
- ET19. Translation from Spanish slope
- ET20. Translation from Spanish slope
- ET21. Translation from Spanish slope
- ET22. Translation from Spanish slope
- ET3. Translation from Spanish slope
- ET4. Translation from Spanish slope
- ET5. Translation from Spanish slope
- ET6. Translation from Spanish slope
- ET7. Translation from Spanish slope
- ET8. Translation from Spanish slope

Generical:

- CG4. Translation from Spanish slope
- CG5. Translation from Spanish slope
- CG6. Translation from Spanish slope
- CG7. Translation from Spanish slope
- CG3. Translation from Spanish slope

Transversal:

- CT1. Translation from Spanish slope
- CT2. Translation from Spanish slope
- CT3. Translation from Spanish slope
- CT4. Translation from Spanish slope
- 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

Go to catalan or spanish version.

LEARNING OBJECTIVES OF THE SUBJECT

Go to catalan or spanish version.



STUDY LOAD

Type	Hours	Percentage
Hours large group	32,0	21.33
Guided activities	12,0	8.00
Self study	84,0	56.00
Hours medium group	22,0	14.67

Total learning time: 150 h

CONTENTS

Go to catalan or spanish version.

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GRADING SYSTEM

Go to catalan or spanish version.

BIBLIOGRAPHY

Basic:

- Serra, Rafael. Les energies a l'arquitectura: principis del control ambiental arquitectònic [on line]. 4a ed. Barcelona: Edicions UPC, 2001 [Consultation: 08/05/2020]. Available on: <http://hdl.handle.net/2117/169051> (Accés restringit a usuaris UPC). ISBN 84-8301-418-1.
- Coch, Helena; Serra, Rafael. El disseny energètic a l'arquitectura [on line]. 3a ed. Barcelona: UPC, 1999 [Consultation: 08/05/2020]. Available on: <http://hdl.handle.net/2117/169050> (Accés restringit a usuaris UPC). ISBN 84-8301-359-2.
- Serra, Rafael; Coch, Helena. Arquitectura y energía natural [on line]. Barcelona: Edicions UPC, 2001 [Consultation: 07/07/2011]. Available on: <http://hdl.handle.net/2099.3/36276>. ISBN 84-8301-497-1.
- Serra, Rafael. Arquitectura i màquina: principis d'instal·lacions als edificis [on line]. 2a ed. Barcelona: Edicions UPC, 2001 [Consultation: 07/05/2015]. Available on: <http://hdl.handle.net/2099.3/36291>. ISBN 84-8301-498-X.

Complementary:

- Banham, Reyner. La arquitectura del entorno bien climatizado. Buenos Aires: Infinito, 1975.
- Givoni, Baruch. Man, climate and architecture. Amsterdam: Elsevier, 1969.
- Olgay, Victor. Arquitectura y clima: manual de diseño bioclimático para arquitectos y urbanistas. 2a ed. Barcelona: Gustavo Gili, 2002. ISBN 8425214882.
- Sage, Konrad. Instalaciones técnicas en edificios. 3a ed. Barcelona: Gustavo Gili, 1980-. ISBN 84-252-0790-8.
- Carrión, Antoni. Diseño acústico de espacios arquitectónicos [on line]. Barcelona: Edicions UPC, 1998 [Consultation: 07/05/2015]. Available on: <http://hdl.handle.net/2099.3/36341>. ISBN 84-8301-252-9.



- Mazria, Edward. El libro de la energía solar pasiva. 2a ed. México D.F.: Gustavo Gili, 1985. ISBN 968-6085-76-9.
- Serra, Rafael. Arquitectura y climas [on line]. Barcelona-México: Gustavo Gili, 1999 [Consultation: 12/05/2020]. Available on: <https://ebookcentral.proquest.com/lib/upcatalunya-ebooks/detail.action?docID=3209537>. ISBN 84-252-1767-9.
- Wright, David. Arquitectura solar natural: un texto pasivo. México: Gustavo Gili, 1983. ISBN 968-6085-60-2.

RESOURCES

Other resources:

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