

Course guide

290643 - CONSTRPO14 - Building What Has Been Designed

Last modified: 20/02/2024

Unit in charge: Vallès 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: JAIME PROUS MARTÍN

Others:

Primer quadrimestre:
ALEJANDRO GAUTHIER AMIGO - 1
JAIME PROUS MARTÍN - 1

Segon quadrimestre:
ALEJANDRO GAUTHIER AMIGO - 1
JAIME PROUS MARTÍN - 1

REQUIREMENTS

Having previously passed the compulsory subjects Technology Light envelopes (290631) and Construction and Urban space conditioning (290638)

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

ET5G. An aptitude for assessing works.
ET17G. Knowledge of deontology, collegiate organisation, professional structure and civil liability.
ET18G. Knowledge of administrative procedures and professional management.
ET19G. Knowledge of the organisation of architecture firms.
ET20G. Knowledge of measurement, valuation and assessment methods.
ET21G. Knowledge of health and safety design for works.
ET22G. Knowledge of real estate management and administration.

Generical:

CE10. A capacity for design that satisfies the requirements of the users of a building and respects the limits imposed by budget factors and building regulations.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

Critical reasoning: analysis and assessment of different alternatives. Solve problems: analysis of optimal solutions against complex projects. Understand the specifications of a project and do the design. Study standards and standards and apply them to projects. Make a written and oral communication: selection and use of the appropriate media. Document case studies. Preparation of technical reports. Use of generic software. Be able to present the work done. Be able to do a theoretical / practical work individually. Be able to work in a team: ability to work in an interdisciplinary environment. Manage material resources. Attend professional ethics and social sensitivity. Addressing the environmental aspects.

STUDY LOAD

Type	Hours	Percentage
Hours large group	33,0	22.00
Self study	84,0	56.00
Hours medium group	33,0	22.00

Total learning time: 150 h

CONTENTS

Syllabus

Description:

Design and construction: a construction project and building site management.

Full-or-part-time: 66h

Theory classes: 33h

Practical classes: 33h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- Arroyo Portero, Juan Carlos. Números gordos en el proyecto de estructuras [on line]. 2a. Madrid: CINTER, Divulgación Técnica, 2009 [Consultation : 06/10/2022]. Available on : https://www-ingebook-com.recursos.biblioteca.upc.edu/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=6516. ISBN 84-9322770-0-5.
- Garrido, Pablo; Prous, Jaime. Deep skin : learning architecture + technology. Banyoles, Girona: Fundació Alumilux, 2018. ISBN 9788409017089.
- Espanya. Ministerio de la Vivienda. Código Técnico de la Edificación : (C.T.E.). Madrid: Ministerio de Vivienda : Boletín Oficial del Estado, 2006. ISBN 8434016311.
- Zimmermann, Astrid. Constructing landscape : materials, techniques, structural components. Basel: Birkhäuser, 2008. ISBN 9783764386009.
- Construir la arquitectura : del material en bruto al edificio : un manual. Barcelona: Gustavo Gili, 2010. ISBN 9788425223518.