



Course guides

290600 - BATEC14 - Basics for Technique

Last modified: 06/10/2020

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: 2020 **ECTS Credits:** 6.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: ENRIQUE CORBAT DIAZ

Others: ENRIQUE CORBAT DIAZ
ISABEL VEGA AINSA

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB1G. An aptitude for applying graphic skills to the representation of spaces and objects (T).
EAB8G. Adequate knowledge of the principles of thermodynamics, acoustics and optics applied to architecture and urbanism.
EAB9G. Adequate knowledge of the principles of fluid mechanics, hydraulics, electricity and electromagnetism applied to architecture and urbanism.

Generical:

CE9. Adequate knowledge of the physical problems, technologies and functions of buildings so as to provide them with comfortable indoor conditions and protection from climate factors.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

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

Total learning time: 150 h



CONTENTS

Syllabus

Description:

Make the students aware why and with a building is made, its vocabulary and its relation with the environment.

Full-or-part-time: 66h

Theory classes: 33h

Practical classes: 33h

GRADING SYSTEM

Theory 40%

Practice 40%

Final model 10%

Personal evaluation 10%

BIBLIOGRAPHY

Basic:

- Elder, Albert Joseph; Vandenberg, Maritz. Construcción. Madrid: H. Blume, 1977. ISBN 847214125X.

- Allen, Edward; Swoboda, David. Cómo funciona un edificio : principios elementales. Barcelona: Gustavo Gili, 1982. ISBN 8425210895.

- Ramón, Fernando. Ropa, sudor y arquitecturas. Madrid: Blume, DL 1980. ISBN 8472141934.

- Diccionari visual de la construcció [Recurs electrònic] [on line]. 3a ed. especial. Barcelona: Generalitat de Catalunya, Departament de Política Territorial i Obres Públiques, 2001 [Consultation: 11/11/2016]. Available on: http://territori.gencat.cat/ca/01_departament/documentacio/general/terminologia_tecnica/diccionari_visual_de_la_construccio/. ISBN 8439350465.

- Benavent, Pere, 1899-1974. Així es construeix: manual de l'obrer de la construcció. Barcelona: Bosch, 1964.

RESOURCES

Hyperlink:

- Web de Bases per a la Tècnica. <http://tecno.upc.edu/bt/>