

Course guides

210255 - MCS - Modelling of Curves and Surfaces

Last modified: 18/06/2020

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).
DEGREE IN ARCHITECTURE (Syllabus 2010). (Optional subject).

Academic year: 2020 **ECTS Credits:** 2.5 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: AMADEO MONREAL PUJADAS

Others: Segon quadrimestre:
AMADEO MONREAL PUJADAS - 43

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB1. Translation from Spanish slope
EAB11. Translation from Spanish slope
EAB2. Translation from Spanish slope
EAB3. Translation from Spanish slope
EAB5. Translation from Spanish slope

Generical:

CG4. Translation from Spanish slope
CG1. Translation from Spanish slope
CG2. Translation from Spanish slope

Transversal:

CT1. Translation from Spanish slope
CT2. 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

LEARNING OBJECTIVES OF THE SUBJECT

The computer management of the design allows the generation of a range of forms richer and more varied than what was possible with the ruler and the compass, provided that the conceptual resources are broadened to conceive them.

It is proposed to provide the student with these resources by giving him basic guidelines about the underlying machinery in the generation of architectural forms by introducing functional and parametric models. In short, the necessary tools are given to make an intelligent use of CAD.

During the course, the student will learn to design formulations that model the forms they conceive and to implement them in a computerized design environment.

STUDY LOAD

Type	Hours	Percentage
Hours large group	27,5	44.00
Self study	35,0	56.00

Total learning time: 62.5 h

CONTENTS

title english

Description:

Go to catalan or spanish version

Full-or-part-time: 62h 30m

Theory classes: 27h 30m

Self study : 35h

GRADING SYSTEM

Continuous telematic evaluation

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously by the means established by the University and the School, with a periodic record of academic activity through submissions, forums, questionnaires or any other means facilitated by the Atenea platform, or the alternatives provided to the teaching staff. In the situations in which this telematic teaching is a product of face-to-face teaching that has already begun, or for questions of extra-academic order, the changes in the weightings or regular control systems of the teaching will be communicated in detail to all students by the Athena of each subject.

Telematic final evaluation

If the continuous telematic evaluation is not positive, a second evaluation can be carried out, which will consist of a final test of a global nature in telematic format that will be established in accordance with the criteria of the professor responsible and the media and ICTs provided by the University or School.

The measures for adaptation to non-classroom teaching will be implemented in accordance with the criteria of ICT security and personal data protection to ensure compliance with the legislation on Personal Data Protection (RGPD and LOPDGD)