

Course guide

320126 - SEMI - Interactive Electronic Musical Systems

Last modified: 19/04/2023

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 710 - EEL - Department of Electronic Engineering.

Degree: BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).

Academic year: 2023 **ECTS Credits:** 6.0 **Languages:** English

LECTURER

Coordinating lecturer: JUAN ANTONIO ORTEGA REDONDO

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:

1. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.
2. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.
3. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Type	Hours	Percentage
Hours small group	30,0	20.00
Hours large group	30,0	20.00
Self study	90,0	60.00

Total learning time: 150 h

CONTENTS

(ENG) TEMA 1. INTRODUCCIÓ ALS SISTEMES ELECTRÒNICS MUSICALS INTERACTIUS

Full-or-part-time: 16h

Theory classes: 5h

Laboratory classes: 5h

Self study : 6h



(ENG) TEMA 2. CONCEPTES DE PROGRAMACIÓ I INTERACTIVAT

Full-or-part-time: 52h
Theory classes: 10h
Laboratory classes: 20h
Self study : 22h

(ENG) TEMA 3. SÍNTESI AUDIOVISUAL

Full-or-part-time: 36h
Theory classes: 5h
Laboratory classes: 15h
Self study : 16h

ACTIVITIES

(ENG) DESENVOLUPAMENT DE PROJECTES ELECTRÒNICS MUSICALS INTERACTIUS

GRADING SYSTEM

- Laboratory Practices: 20%
- Proposal of subject project: 20%
- Presentation and defense of the subject project: 40% with the possibility of recovery (completing and improving the work in case of unsatisfactory results) during the final examination period
- Final exam: 20%