Course guide
320126 - SEMI - Interactive Electronic Musical Systems

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: 2022  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

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours small group</td>
<td>30,0</td>
<td>20.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>20.00</td>
</tr>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
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</tbody>
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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%