Course guide
320124 - IMQSA - Quality Measurement of Audio-Visual Signals

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: Catalan, Spanish

LECTURER

Coordinating lecturer: Manuel Lamich Arocas
Others: Lluís Ferrer Arnau

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.
4. 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>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>90.0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30.0</td>
<td>20.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>30.0</td>
<td>20.00</td>
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</tbody>
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Total learning time: 150 h

CONTENTS

(ENG) TEMA 1. INTRODUCCIO

Full-or-part-time: 6h
Theory classes: 2h
Self study: 4h
(ENG) TEMA 2. SISTEMES D'INSTRUMENTACIÓ

Full-or-part-time: 17h
Theory classes: 4h
Laboratory classes: 4h
Self study: 9h

(ENG) TEMA 3. MESURA DE VARIABLES FÍSIQUES

Full-or-part-time: 20h
Theory classes: 8h
Self study: 12h

(ENG) TEMA 4. CARACTERITZACIÓ AUTOMÀTICA D’EQUIPS

Full-or-part-time: 39h
Theory classes: 2h
Laboratory classes: 16h
Self study: 21h

(ENG) TEMA 5. INTERFERÈNCIES ALS SISTEMES AUDIOVISUALS

Full-or-part-time: 40h
Theory classes: 10h
Self study: 24h
Self study: 6h

(ENG) TEMA 6. SMART SENSORS

Full-or-part-time: 20h
Theory classes: 4h
Laboratory classes: 4h
Self study: 12h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary: