Course guide
205253 - PAV - Audio and Video Production

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual 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: Juan Mon González, Wenceslao Matarin Hernández
Others: Juanjo Alins Delgado

PRIOR SKILLS

It is recommended to have taken the courses in "Equips de So", "Serveis i Aplicacions Telemàtiques" and "Equips de Vídeo".

TEACHING METHODOLOGY

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LEARNING OBJECTIVES OF THE SUBJECT

Offer to the student the bases for produce, record and streaming different live show.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<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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Total learning time: 150 h
Module 1: Audiovisual production

Description:
- Analyses of the show:
  Election of style of realisation.
  Complementary material for the event.

- Requirements Technical:
  technical Needs.
  Election of the necessary material.
  Configuration of the teams.
  Flow of work (enrutament of the signals, etc.)

- Recording of multiple sources of signal of video and audio.

Related activities:
Lectures classroom.
Laboratories.

Full-or-part-time: 57h
Theory classes: 5h
Laboratory classes: 18h
Self study: 34h

Module 2: Post-Production and editing video and audio

Description:
- Edition (project and sequence)
- Edition of videos with different sources.
  - "Etalonaje".
  - Export, delivery of the product
  - Diffusion for internet.

Related activities:
Classes with theoretical explanation.
Laboratories.

Full-or-part-time: 51h
Theory classes: 6h
Laboratory classes: 18h
Self study: 30h
Module 3: Live video and audio streaming

Description:
- Transport of multimedia information in networks IP.
- Diffusion of multimedia contents in networks IP.
- Multimedia services in networks IP.

Related activities:
Classes with theoretical explanation.
Laboratories.

Full-or-part-time: 42h
Theory classes: 4h
Laboratory classes: 12h
Self study: 26h

GRADING SYSTEM
The qualification is the weighted sum of partial marks of the course modules. Each module will be assessed with laboratory assignments and/or questionnaires.

Module 1: 20%
Module 2: 20%
Module 3: 20%
Project: 40%

RESOURCES
Other resources:
Lecture notes available in the virtual campus ATENEA.