205253 - PAV - Audio and Video Production

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Academic year: 2019
Degree: BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)
ECTS credits: 6
Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: Juan Mon González, Wenceslao Matarin Hernández
Others: Juanjo Alins Delgado

Opening hours
Timetable: ...

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

Teaching methodology
...

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>Total learning time: 150h</th>
<th>Hours large group:</th>
<th>30h</th>
<th>20.00%</th>
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<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Hours small group:</td>
<td>30h</td>
<td>20.00%</td>
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<td></td>
<td>Guided activities:</td>
<td>0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Self study:</td>
<td>90h</td>
<td>60.00%</td>
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## Content

### Module 1: Audiovisual production

**Learning time:** 57h  
Theory classes: 5h  
Laboratory classes: 18h  
Self study: 34h

**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.

### Module 2: Post-Production and editing video and audio

**Learning time:** 51h  
Theory classes: 6h  
Laboratory classes: 15h  
Self study: 30h

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

**Related activities:**  
Classes with theoretical explanation.  
Laboratories.
Module 3: Live video and audio streaming

Learning time: 42h
- Theory classes: 4h
- Laboratory classes: 12h
- Self study: 26h

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.

Qualification 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%

Bibliography

Others resources:
- Lecture notes available in the virtual campus ATENEA.