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

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**Teaching staff**

**Coordinator:** Juan Mon González, Wenceslao Matarin Hernández

**Others:** Juanjo Alins Delgado

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**Opening hours**

**Timetable:** ...

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**Prior skills**

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

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**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.

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**Study load**

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

<table>
<thead>
<tr>
<th>Module 1: Audiovisual production</th>
<th>Learning time: 57h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 5h</td>
</tr>
<tr>
<td></td>
<td>Laboratory classes: 18h</td>
</tr>
<tr>
<td></td>
<td>Self study: 34h</td>
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</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Module 2: Post-Production and editing video and audio</th>
<th>Learning time: 51h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 6h</td>
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<tr>
<td></td>
<td>Laboratory classes: 15h</td>
</tr>
<tr>
<td></td>
<td>Self study: 30h</td>
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</tbody>
</table>

### 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.
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 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.