![UNIVERSITAT POLITÈCNICA DE CATALUNYA - BARCELONATECH - UPC]

Course guide
205253 - PAV - Audio and Video Production

Last modified: 19/04/2023

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

Type	Hours	Percentage
Self study	90,0	60.00
Hours large group	30,0	20.00
Hours small group	30,0	20.00

Total learning time: 150 h

CONTENTS

Module 1: Audiovisual production

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

- Requeriments 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".
- Edition and postproduction of audio.
- 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: 15h
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.