

Basic Audiovisual Technologies

Code: 105002
ECTS Credits: 6

2025/2026

Degree	Type	Year
Audiovisual Communication	OB	1

Contact

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Teachers

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Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

Objectives and Contextualisation

The acquisition of theoretical and practical knowledge that provides a foundation for understanding audiovisual technology, its historical evolution, and future perspectives. As defined in the curriculum, the aim of this course is to introduce students to the physical principles of image, audiovisual media, and sound. This includes their processing and an explanation of different formats and standards.

In addition, the course will cover the basic work routines in a television studio, a radio booth, a photography studio, and a video editing room.

Learning Outcomes

1. KM07 (Knowledge) To recognise the main characteristics of audiovisual system technology.
2. KM08 (Knowledge) To identify the basic principles of managing the professional teams involved in the creation of audiovisual products.
3. SM06 (Skill) To operate technological media devices.

Content

1. Audiovisual Technology: basic concepts
2. Sound: physical characteristics
 - 2.1 Sound recording and playback
 - 2.2 Basic sound production routines
3. Still and audiovisual image: physical characteristics
 - 3.1 Capture of the still image, recording and audiovisual reproduction
 - 3.2 Basic routines of photographic and audiovisual production
4. Sound composition, still and audiovisual photography
 - 4.1 Intensity, tone, timbre and sound planes
 - 4.2 Composition of the still and audiovisual image: rule of thirds, point of interest and visual balance
 - 4.3 Camera shots and movements in audiovisual
5. Editing: Basic concepts
 - 5.1 Sound editing figures
 - 5.2 The audiovisual cut and transitions

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Lectures	30	1.2	
Type: Supervised			
Tutorials	12	0.48	
Type: Autonomous			
Estudy	20	0.8	
Practical work preparation	36	1.44	
Readings	16	0.64	

The subject will consist of master classes, seminars, practices on the television set, in the photography set, in the radio studios and in the editing rooms.

The objective of the internship is to familiarize yourself with the basic techniques of manipulation of the Faculty's equipment (sound, photographic and audiovisual), as well as the acquisition of basic knowledge about editing.

Students will work in groups, organized by the teacher responsible for the subject, to carry out laboratory practices.

A detailed schedule outlining the content of each session will be presented on the first day of the course and will be available on the course's Virtual Campus, where students will find all teaching materials and necessary information for effective course monitoring. Should the teaching modality change for reasons of force majeure according to the competent authorities, the teaching staff will inform students of any modifications to the course schedule and teaching methodologies.

The course content will be sensitive to issues related to gender perspective and the use of inclusive language.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continuous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Active participation in practices	10%	6	0.24	KM07, SM06
Examen	40%	3	0.12	KM07, KM08, SM06
Practicals	50%	27	1.08	KM07, KM08, SM06

The continuous evaluation system is made up of three different parts, each one of which must be passed to pass the subject:

- A) Theoretical exam: 50%
- B) Practices: 40%
- C) Active participation in practices and seminars: 10%

The students that have participated in the continuous evaluation and suspend the theory can recover it whenever they have obtained a minimum score of 3.5 and have made the ordinary revision. The result of this activity must not represent the final grade. The practices and seminars are not recoverable.

The exam will assess the contents covered in both lectures and practical sessions. The dossier and the assigned readings are mandatory and may also be subject to evaluation.

Students will be entitled to reassessment in the course if they have been evaluated on a set of activities accounting for at least two-thirds of the total course grade.

If a student commits any irregularity that could lead to a significant change in the grade of an assessment activity, that activity will be graded with a 0, regardless of any disciplinary process that may be initiated. If multiple irregularities occur in the assessment activities of the same course, the final grade for that course will be 0.

This course/module does not provide for a single-assessment system.

Non-Assessable

Following point 9 of Article 266 of the UAB Academic Regulations, if it is determined that the student has not provided sufficient evidence to be evaluated, the subject will be classified as non-assessable.

Intelligence (AI)

In this course, the use of Artificial Intelligence (AI) technologies is permitted as an integral part of assignment development, provided that the final outcome demonstrates a significant contribution from the student in terms of analysis and personal reflection. Students must clearly identify any content generated using AI, specify the tools employed, and include a critical reflection on how these technologies have influenced both the process and the final result of the assignment. Failure to disclose the use of AI in this assessed activity will be considered a breach of academic integrity and may result in a partial or total penalty to the assignment grade, or more serious sanctions in severe cases.

Bibliography

Bibliography

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Domínguez, Juan José. (2019). . Madrid: Editorial Síntesis. Teoría y técnica del sonido

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Fernández-Lores, S., Martínez-Navarro, G., & Gavilán, D. (2021). Factores de éxito en las webs de contenidos audiovisuales. Análisis cualitativo comparado. Profesional De La información, 29(6).
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Martínez Pinzón, G. (2018) Compartición del Espectro Radioeléctrico entre Tecnologías Inalámbricas de Última Generación en la Banda de la Televisión Digital Terrestre. Recuperado a partir de <https://riunet.upv.es/handle/10251/102644?show=full>

McStay, Andrew. (2010). . Basingstoke: Palgrave Macmillan. Digital Advertising

Morales Morante, Fernando (2013). Montaje audiovisual: teoría, técnica y métodos de control.

Complementary bibliography:

Martínez Abadía, José. (2005). Manual básico de tecnología audiovisual y técnicas de creación, emisión y . Barcelona: Paidós.difusión de contenidos.

Neira, Elena. (2015). . Barcelona: Editorial UOC.La otra pantalla

Niqui, Cinto. (2011). . Barcelona: Editorial UOC.Fonaments i usos de tecnologia audiovisual digital

Peirano, Marta. (2019). *El enemigo conoce el Sistema*. Madrid: Debate

Software

Students will use audiovisual (Da Vinci) and sound editing (Audacity).

The use of free software is recommended.

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.

Name	Group	Language	Semester	Turn
(PLAB) Practical laboratories	41	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	42	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	43	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	44	Spanish	first semester	morning-mixed
(TE) Theory	4	Spanish	first semester	morning-mixed