

**Basics of Journalism Technology**

Code: 104990  
ECTS Credits: 6

Degree	Type	Year	Semester
2501933 Journalism	OB	1	1

**Contact**

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**Use of Languages**

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: No

**Teachers**

Jacint Niqui Espinosa

**Prerequisites**

No prerequisite is required.

**Objectives and Contextualisation**

- Understanding the processes involved in audiovisual and multimedia journalism.
- Learn which are the main technological instruments used in these processes and the innovations that are occurring in this matter, to see how they can influence their work as a communicators, in the messages and in their reception.
- Familiarize yourself with the manipulation of image and sound equipment for the production of audiovisual and multimedia journalistic content.

**Competences**

- Abide by ethics and the canons of journalism, as well as the regulatory framework governing information.
- Demonstrate a critical and self-critical capacity.
- Introduce changes in the methods and processes of the field of knowledge to provide innovative responses to the needs and demands of society.
- Relay journalistic information in the language characteristic of each communication medium, in its combined modern forms or on digital media, and apply the genres and different journalistic procedures.
- Students can apply the knowledge to their own work or vocation in a professional manner and have the powers generally demonstrated by preparing and defending arguments and solving problems within their area of study.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.

- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Students must develop the necessary learning skills in order to undertake further training with a high degree of autonomy.
- Take sex- or gender-based inequalities into consideration when operating within one's own area of knowledge.
- Use one's imagination with flexibility, originality and ease.

## Learning Outcomes

1. Analyse the sex- or gender-based inequalities and the gender biases present in one's own area of knowledge.
2. Communicate using language that is not sexist or discriminatory.
3. Demonstrate a critical and self-critical capacity.
4. Identify and distinguish the technical requirements necessary to relay information in the language characteristic of each communication medium (press, audiovisual, multimedia).
5. Propose new methods or well-founded alternative solutions.
6. Propose projects and actions that incorporate the gender perspective.
7. Students can apply the knowledge to their own work or vocation in a professional manner and have the powers generally demonstrated by preparing and defending arguments and solving problems within their area of study.
8. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
9. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
10. Students must develop the necessary learning skills in order to undertake further training with a high degree of autonomy.
11. Use one's imagination with flexibility, originality and ease.
12. Use social responsibility criteria in various information production processes.

## Content

- .- Technological foundations: waves physics concepts; radioelectric spectrum; communication networks.
- .- The digitalisation of image and sound: the digitalisation process; formats and codecs.
- .- The video: ENG camera; television set; editing.
- .- The sound: microphones; recording systems; mixing consoles; editing.
- .- Mobile journalism, A.I. and blockchain.

## Methodology

Lectures at the Faculty.

Practices in different audiovisual spaces of the Faculty.

The calendar will be available on the first day of class. Students will find all information on the Virtual Campus: the description of the activities, teaching materials, and any necessary information for the proper follow-up of the subject. The proposed teaching methodology and assessment may be subject to change depending on the attendance restrictions imposed by the health authorities. In case of a change of teaching modality for health reasons, teachers will make readjustments in the schedule and methodologies.

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.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Audiovisual and multimedia practices	33	1.32	1, 11, 2, 3, 4, 6, 10, 9, 7, 12
Master class	15	0.6	3, 4, 10, 7, 12
Type: Autonomous			
Readings, practice preparation, test preparation. etc.	66	2.64	4, 5, 8, 12

## Assessment

The proposed teaching methodology and evaluation activities may undergo some modifications depending on the health authorities attendance restrictions.

The subject consists of the following evaluation activities:

- Theoretical exam, 40 % on the final grade.
- Practical TV set, 20% on the final grade.
- Practical radio studio, 20% on the final grade.
- Practical Postproduction and ENG, 20% on the final grade.

In order to pass the subject, it will be necessary to pass 5 in the total of the four activities evaluated and that the following requirements are met:

4 out of 10 in the theoretical exam.

5 out of 10 in the sum of the practical activities and not having more than one absence in the whole of the practical sessions.

Practices are compulsory assistance.

Failure to take an exam determines not to be evaluated.

The student who performs any irregularity (copy, plagiarism, identity theft...) will be qualified with 0 in this assignment or exam. In case there are several irregularities, the final grade of the subject will be 0.

The proposed evaluation activities may undergo some modifications depending on the health authorities' attendance restrictions.

Students will be entitled to the revaluation of the subject in two cases:

Minimum grade to qualify for the reevaluation of theory: between 0 and 4,99 out of 10.

Only one of the three practice sets can be reevaluated, as long as the student has participated in all them. Only failed practice sets are reevaluable.

In the case of second enrollment, students will be able to take a single synthesis test, which will consist of taking the theory exam, only if in a past year they have passed the practical part of the subject and the teacher responsible considers that the work made conforms to that of the present course. The grade of the subject will correspond to the grade of the synthesis test.

If in a past year the student has not passed the practical part, they will have to retake all the practices of the subject and the final exam.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Exam	40%	3	0.12	4, 7, 8, 12
Laboratory practices	60%	33	1.32	1, 11, 2, 3, 4, 5, 6, 10, 9, 7, 8, 12

## Bibliography

BERNAL TRIVIÑO, Ana I. (2015). Herramientas digitales para periodistas. Editorial UOC.

BONET, Montse. (2016). El imperio del aire. espectro radioeléctrico y radiodifusión. Barcelona: Editorial UOC

CASTILLO, José María. (2016). Televisión, realización y lenguaje audiovisual. Madrid: IORTV

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

EVANS, Russel. (2003). Cinematografía práctica con vídeo digital Andoain: Escuela de cine y video.

MARTÍNEZ ABADÍA, José, VILA, Pere et al. (2004). Manual básico de tecnología audiovisual y técnicas de creación, emisión y difusión de contenido. Barcelona: Paidós.

NIQUI, Cinto. (2014). Fonaments i usos de tecnologia audiovisual digital. Barcelona, Editorial UOC. Format electrònic.

PALACIO, Gorka y TULLOCH, Christopher. (2004). Nuevas Tecnologías e información audiovisual digital. Bilbao: Servicio Editorial, Universidad del País Vasco.

SERRANO, Pipo. (2017) La transformación digital de una redacción y el periodismo móvil. (MOJO). Editorial UOC.

ZABALETA URKIOLA, Iñaki (2003). Tecnología de la información Audiovisual Sistemas y servicios de la radio y televisión digital analógica por cable, satélite y terrestre. Barcelona: Bosch

Comunicación

## Software

The obligatory software for doing the radio practices will be Audacity and Zara Radio.

The recommended software for editing practices is DaVinci Resolve.

These are the audiovisual software installed on the Faculty's equipment.