



## Course guide

### 804229 - IVJ - Game Industry

**Last modified:** 22/06/2023

**Unit in charge:** Image Processing and Multimedia Technology Centre  
**Teaching unit:** 804 - CITM - Image Processing and Multimedia Technology Centre.

**Degree:** BACHELOR'S DEGREE IN VIDEO GAME DESIGN AND DEVELOPMENT (Syllabus 2014). (Compulsory subject).

**Academic year:** 2023    **ECTS Credits:** 6.0    **Languages:** Catalan, English

#### LECTURER

---

**Coordinating lecturer:** Hurtado, Daniel

**Others:**

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

---

**Specific:**

CEVJ 10. Identify the production process and methodologies for developing a video game, and the role of each of the profiles and functions involved.

CEVJ 11. Identify the business, financing and monetisation models of the video game industry, and its digital distribution, monitoring and marketing.

**Transversal:**

01 EIN N1. ENTREPRENEURSHIP AND INNOVATION - Level 1. Showing enterprise, acquiring basic knowledge about organizations and becoming familiar with the tools and techniques for generating ideas and managing organizations that make it possible to solve known problems and create opportunities.

02 SCS N1. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world's situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.

03 TLG. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

#### TEACHING METHODOLOGY

---

- Exhibition method / master lesson.
- Participatory class.
- Study of cases.
- Learning based on problems and expositions and defenses of practices or jobs.
- Autonomous work.



## LEARNING OBJECTIVES OF THE SUBJECT

- Know the history and evolution of videogames from different points of view: eras, studies, platforms, technologies, works and outstanding authors.
- Understand and be able to classify and identify a video game according to different criteria: public gender, model, interaction, theme and support.
- Know the process and each of the stages involved in the development of a video game: pre-production, production and post-production.
- Know, understand and be able to identify the functions of each of the roles that belong to a videogame study as well as its structure and organization.
- Identify and know the different software and design tools, technologies, engines and platforms with which a videogame studio works.
- Analyze and understand the different economic models linked to the videogame industry from its beginnings to the present.

## STUDY LOAD

Type	Hours	Percentage
Hours medium group	18,0	12.00
Guided activities	12,0	8.00
Hours large group	30,0	20.00
Self study	90,0	60.00

**Total learning time:** 150 h

## CONTENTS

### Introduction to the videogame industry.

**Description:**

Video Game Industry: Concept.

Agents involved and value chain of the video game industry.

Analysis of the most relevant data about the videogame industry in Catalonia and Spain.

**Full-or-part-time:** 10h

Theory classes: 8h

Self study : 2h

### Videogame history

**Description:**

Evolution of the Video Game Industry. Main milestones.

Relationship between technological evolution and the evolution of the videogame industry.

**Full-or-part-time:** 21h

Theory classes: 8h

Self study : 13h



### The development process

**Description:**

Process of creating a videogame: phases and tasks.

**Full-or-part-time:** 23h

Theory classes: 8h

Self study : 15h

### Organizational model and profiles professionals

**Description:**

Organization and professional profiles involved in the creation of video games.

**Full-or-part-time:** 23h

Theory classes: 8h

Self study : 15h

### Tools and technologies

**Description:**

Technologies and computer programs used in the creation of video games.

**Full-or-part-time:** 23h

Theory classes: 8h

Self study : 15h

### Classification of video games

**Description:**

Criteria for classification and genres of video games.

**Full-or-part-time:** 23h

Theory classes: 8h

Self study : 15h

### Business models

**Description:**

Business models and financing in the video game industry.

**Full-or-part-time:** 27h

Theory classes: 12h

Self study : 15h



## ACTIVITIES

---

### Practice 1. Analysis of current technologies and extrapolation to the near future

**Description:**

In practice 1 the student faces a photo of the user devices that surround the world of video games presented in chronological order of appearance. It will have to extrapolate the use in the industry of some of these technologies analyzing its origin, its current impact and its possible projection in the near future. All this with the aim of training their capacity for critical analysis of the technological environment in which videogame projects are developed and thus understand, anticipate or even anticipate general trends.

**Full-or-part-time:** 12h

Guided activities: 6h

Self study: 6h

### Practice 2. Reflective analysis - Presentations

**Description:**

For the correct evaluation of practice 2, the student will appear and actively participate in Q & A in a series of lectures given by different professionals in the videogame industry. Subsequently, and at the most after the next session, it will deliver a group and reflective analysis of each paper that must answer, at least, to a series of questions stipulated by the subject's faculty. The relationship capacity of the analysis of each paper with the content of the course is valued, as well as the capacity of analysis and comparison with the background and previous knowledge of the students. The activity responds to a self-evaluation dynamic that will be explained in detail during the first session of the course.

**Full-or-part-time:** 50h

Guided activities: 10h

Self study: 40h

## GRADING SYSTEM

---

Practices.

- Practice 1, with a weight of 10% of the final grade of the subject.

- Practice 2, with a weight of 30% of the final grade of the subject.

Midterm exam

- 1 partial exam with a weight of 25% of the final grade of the subject.

Final exam

- 1 final exam with a weight of 25% of the final grade of the subject.

Participation and attitude of learning, with a weighting of 10% of the final grade of the subject.

Students who have failed in the continuous assessment can be presented in re-evaluation (as long as the grade is different from NP). The grade obtained in the re-evaluation replaces, if higher, the grades of the partial and final exams. The final grade for the subject, calculated from the re-evaluation exam, can not exceed 5.



## EXAMINATION RULES.

---

A part of the practices can be done during classes with a teacher. Students must also dedicate autonomous work time (outside of class hours), to perform these practices.

The evaluation of the practices does not only involve the resolution of them, but also the presentation that is made of the results when the group is required to do so during the classes and the realization of the corresponding documents that must be deposited in the classroom of the virtual campus that is enabled for that purpose.

The documents must be completed following the instructions given therein, especially regarding the labeling of the file names and the structure of the content. In no case will the layout of the document be modified or saved in a format or version other than that indicated. The correct management of the documentation provided is an aspect related to the competences to be acquired and is, therefore, object of evaluation.

## BIBLIOGRAPHY

---

### Basic:

- Rabin, Steve. Introduction to game development. Hingham, Mass: Charles River Media, 2005. ISBN 9781584503774.
- DeMaria, R.; Wilson, J.L. High score!: la historia ilustrada de los videojuegos. 3ª ed. Madrid: McGraw-Hill Interamericana, 2002. ISBN 9788448137045.