

Course guide

804233 - EMPVJ - Business Environment

Last modified: 20/07/2025

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: 2025	ECTS Credits: 6.0	Languages: Spanish, English

LECTURER

Coordinating lecturer:	Garcia Pascual, Juan Carlos
Others:	Garcia Pascual, Juan Carlos Torrents Poblador, Pere

TEACHING METHODOLOGY

The teaching methodology is divided into three parts:

- Lectures presenting the contents.
- Classroom practical sessions (presentations and discussion of cases)
- Self study and study exercises and activities.

At meetings of presentation of the contents, the teachers will introduce the theoretical basis of the subject, concepts, methods and illustrating them with appropriate examples to facilitate understanding results.

In practical sessions in the classroom, teachers guide students in applying theoretical concepts to solve problems, basing at all times critical thinking. The student solves exercises in the classroom and beyond, to promote contact and use the basic tools needed to solve problems will be proposed.

The student, independently, have to work the material provided by the teachers and the result of work-sessions and fix problems to assimilate the concepts. Teachers will provide a curriculum and monitoring of activities (CAMPUS).

The methodology of the course is a combination of class attendance and conducting various complementary activities (resolution of cases, problems, etc.), either individually or in small groups, both inside and outside the classroom. In the present hours the student receives basic information on the contents of the teaching work plan that will ensure the provision of the stated objectives.

In the Virtual Campus all information relating to the course (evaluation rules, deadlines of activities, etc.) is published. Attendance at meetings is important for the learning process, which is based on both individual and team work, and participation in the classroom.

LEARNING OBJECTIVES OF THE SUBJECT

- To identify the institutional and legal framework applicable to the business environment.
 - To identify the organizational and management systems applicable in the company.
 - To identify the basic concepts involved in the business plan in the field of design and development of video games.
 - To apply the concepts and principles of the organization and management of companies in accordance with current legislation in video game design and development environments.
 - To correctly analyze real practical cases related to the creation and management of companies and intellectual property.
 - To create a business plan, applying the appropriate legislation and the processes of organization and management of the field of design and development of video games.
 - To analyze complex social situations to identify the needs of people and opportunities for improvement and solutions.
- Usa el traductor neuronal de Softcatalà

STUDY LOAD

Type	Hours	Percentage
Hours medium group	16,0	10.67
Guided activities	10,0	6.67
Self study	90,0	60.00
Hours large group	34,0	22.67

Total learning time: 150 h

CONTENTS

INTRODUCTION TO ECONOMICS

Description:

- 1.1. Concept economy.
- 1.2. Scarcity, choice and the opportunity cost.
- 1.3. Market functioning.
- 1.4. The competitive environment of the company
- 1.5. Game companies

Specific objectives:

- To acquire some basic notions of economy
- Mastering the concepts of scarcity, choice and opportunity cost.
- To understand the mechanisms of the market system and their mistakes.
- Introduction to the environment of their business organizations.
- Introduction to specific video game industry

Full-or-part-time: 15h

Theory classes: 4h

Guided activities: 1h

Self study : 10h

INTRODUCTION TO THE COMPANY

Description:

- 2.1. Plan of business
- 2.2. Model Canvas
- 2.3. SWAT DAFO analysis.
- 2.4. Map of empathy.
- 2.5. PORTER

Specific objectives:

- Introduction to different models or working tools that help determine when the opportunity to create a new company.
- The student must be able to know the different economic tools and to face the responsibility of creating a new organization

Related activities:

Check test concepts learned

Full-or-part-time: 28h

Theory classes: 10h

Guided activities: 4h

Self study : 14h

ENTREPRENEURSHIP - Individual vs. Corporate

Description:

- 3.1. Process of creating a business.
- 3.2. Individual enterprise: Typology.
- 3.3. Companies: Typology
- 3.4. The business sector in the gaming industry

Specific objectives:

Check test concepts learned

Related activities:

Proof of verification of the concepts learned

Full-or-part-time: 30h

Theory classes: 10h

Guided activities: 5h

Self study : 15h

COMPANY GOALS

Description:

- 4.1. Types of objectives of a company.
- 4.2. The time factor determining objectives.
- 4.3. Setting objectives.
- 4.4. Measurement of goals

Specific objectives:

- General objectives, strategic
- Business Strategy
- Mission, vision, goal, goals, strategic ability, strategy, business model and contro
- Control, and decisions as to the occurrence of unforeseen deviations

Related activities:

Check test concepts learned

Full-or-part-time: 18h

Theory classes: 6h

Guided activities: 1h

Self study : 11h

PLANNING BUSINESS AND PROJECT MANAGEMENT

Description:

- 5.1. Project planning.
- 5.2. Planning projecting onto games.
- 5.3. project management
- 5.4. project management in video games
- 5.5. Management tools.
- 5.6. Management tools in video games

Specific objectives:

- Understand the goals and business objectives: planning in the company and programs
- Management by objectives and budget management
- Management tools and techniques for business planning

Related activities:

Check test concepts learned

Full-or-part-time: 33h

Theory classes: 12h

Guided activities: 1h

Self study : 20h

TRADE POLICY

Description:

- 6.1. Model Business to Business - B2B
- 6.2. Model Business to Consumer - B2C
- 6.3. Model in video games.

Specific objectives:

- Understand the approach to market-oriented corporate governance.
- Learn to manage customer relationships in ways that benefit the organization and other stakeholders.
- Business Strategies for direct contact with customers
- Models in the field of video games in physical distribution
- Models in the gaming industry in electronic distribution

Related activities:

Check test concepts learned

Full-or-part-time: 26h

Theory classes: 5h

Guided activities: 1h

Self study : 20h

ACTIVITIES

ACTIVITY 1: TEST CHECK THE CONCEPTS STUDIED

Description:

At the end of 2,3,4,5 and 6 issues a test is performed

Specific objectives:

Test and evaluate the level of knowledge acquired by the student

Material:

CAMPUS on line and / or material provided at the time of testing.

Delivery:

It is representing 10% of the final grade for the course.

Full-or-part-time: 6h

Theory classes: 6h

ACTIVITY 2: BUSINESS MODEL CANVAS

Description:

Development of a Business Model Canvas for a video game company

Specific objectives:

Test and evaluate the level of knowledge acquired by the student

Material:

CAMPUS on line and / or material provided at the time of testing.

Delivery:

It represents 35% of the final grade for the course

Full-or-part-time: 30h

Guided activities: 30h



ACTIVITY 3: MIDTERM EXAM

Description:

Individual event and written about the contents of themes 1-3

Specific objectives:

The test must demonstrate that the student has acquired and assimilated the concepts, principles and fundamentals related to items 1-3

Material:

Wording of the subtest

Delivery:

The deliverable will be the resolution of the test.

It represents 25% of the final grade for the course

Full-or-part-time: 2h

Theory classes: 2h

ACTIVITY 4: FINAL TEST

Description:

Individual event and written about the contents of the themes 4-6.

Specific objectives:

The test must demonstrate that the student has acquired and assimilated the concepts, principles and fundamentals related to the subject.

Material:

Wording of the subtest

Delivery:

The deliverable will be the resolution of the test.

It represents 25% of the final grade for the course

Full-or-part-time: 2h

Theory classes: 2h

GRADING SYSTEM

The final grade depends on the following acts:

- Activity 2 (business Canvas): 30%
- Activity 3 (midterm): 20%
- Activity 4 (final exam): 30%
- Activity 1 Practical exercise: 10%
- Participation and attitude of learning 10% it will evaluate the formal aspect, attendance and participation in all activities carried out throughout the course.

Reassessment examination. Only students that have not passed the subject can be presented by means of continuous evaluation. You can only recover activities 3 and 4.

Irregular actions that may lead to a significant variation of the grade of one or more students constitute a fraudulent performance of an evaluation act. This action entails the descriptive grade of failure and a numerical grade of 0 for the ordinary global evaluation of the course, without the right to re-evaluation.

If the lecturers have indications of the use of AI tools not allowed in the evaluation tests, they may summon the students concerned to an oral test or a meeting to verify the authorship.

BIBLIOGRAPHY

Basic:

- González, F.J.; Ganaza, J.D. Principios y fundamentos de gestión de empresas. 2ª ed. Madrid: Pirámide, 2008. ISBN 9788436821871.
- Blanco, Juan Manuel. Economía: teoría y práctica [on line]. 6ª ed. Madrid: McGraw-Hill, 2014 [Consultation: 08/03/2023]. Available on: https://www-ingebook-com.recursos.biblioteca.upc.edu/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=8463. ISBN 9788448192815.
- Osterwalder, Alexander; Pigneur, Yves. Generación de modelos de negocio: un manual para visionarios, revolucionarios y retadores. Barcelona: Deusto, 2011. ISBN 9788423427994.

Complementary:

- Aguerl, M.; Pérez, E. Manual de administración y dirección de empresas: teoría y ejercicios resueltos. Madrid: Centro de Estudios Ramón Areces, 2010. ISBN 9788480049887.
- Triadó, X.M. [et al.]. Administración de la empresa: teoría y práctica. Madrid [etc.]: McGraw-Hill, 2011. ISBN 9788448178178.

RESOURCES

Computer material:

- Material al campus on line. Resource
- Material utilizado y entregado a los alumnos en las diferentes sesiones prácticas. Resource