



Universitat de Lleida

DEGREE CURRICULUM **BIOENTERPRISE**

Coordination: OBIS MONNE, ELIA

Academic year 2023-24

Subject's general information

Subject name	BIOENTERPRISE			
Code	101661			
Semester	1st Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Biomedical Sciences	4	OPTIONAL	Attendance-based
Course number of credits (ECTS)	3			
Type of activity, credits, and groups	Activity type	PRAULA		TEORIA
	Number of credits	1.5		1.5
	Number of groups	1		1
Coordination	OBIS MONNE, ELIA			
Department	EXPERIMENTAL MEDICINE			
Important information on data processing	Consult this link for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
DELASPRES, FABIEN	fabien.delaspre@udl.cat	,5	
MONTERO AMOROS, XAVIER	xavier.montero@udl.cat	1	
OBIS MONNE, ELIA	elia.obis@udl.cat	1	
PORTERO OTIN, MANUEL	manuel.portero@udl.cat	,5	

Learning objectives

Objectives about knowledge

Get to know the world of entrepreneurship and the company: the market economy, the legal structure of the company, the creation and start-up of companies, basic aspects of accounting, profitability analysis and organizational structure of the company.

Work on an innovative project in all aspects, from technology and knowledge transfer to funding needs.

Know, analyze and apply leadership and management of people, time and work team management, participation and resolution of interpersonal conflicts and organizational ethics.

Learn how to prepare and defend a pitch for investors and clients.

Objectives about skills

Use audiovisual language to present content linked to specific knowledge of the field.

Recognize the complexity of the entrepreneurial process and have the ability to appreciate a market opportunity.

Solve problems and situations specific to professional practice with entrepreneurial and innovative attitudes.

Objectives about attitudes

Feeling motivated towards the use of the different tools associated with entrepreneurship, innovation and transfer

Develop a critical spirit and intellectual restlessness.

Assess the impact and importance of their knowledge of entrepreneurship, innovation and transfer for the development of the degree and professional practice.

Competences

You can find all the specific competencies (CE) of the degree in Biomedical Sciences on the UdL website: (<https://www.biomedicina.udl.cat/ca/pla-formatiu/objectives-competencies/>). This subject contributes to the achievement of the ECs mentioned below:

CE68. Develop work skills and interpersonal relationships in a work environment and learn about the organization of research centers and biomedical science companies.

CE69. Transversally apply the knowledge and skills acquired in problem solving.

CE71. Use information and communication tools and techniques for data analysis and the preparation of oral and written reports and other training and professional activities.

CE72. Use appropriately the scientific and technical vocabulary of the different fields of biomedical sciences. Be able to produce comprehensible written reports on the work carried out, with a justification based on the theoretical and practical knowledge gained

Subject contents

The contents of the course have been structured and will be worked on sequentially, addressing the different aspects that must be taken into account when developing and presenting a pitch to the mentors.

1. Strategy
2. Marketing
3. Operations
4. Human resources
5. Finance
6. Information systems
7. Innovation
8. Corporate aspects
9. Business model
10. Technological transfer

Methodology

The distribution of the total teaching hours is 15 hours of lectures and 15 hours of seminar classes, in which the classroom is also structured in small groups of 3 to 5 students.

The seminars are based on a center of interest, which is the preparation of a Health Pitch Competition among the students of the subject with the aim of finding and accelerating solutions that address the gaps in the systems of biomedical sciences and health present in the territory.

During the seminars, work will be done in small groups with the help of the mentor and different installments will be promoted and finally the pitch presentations will be made on the last day of the course in front of the evaluation board.

Evaluation

In order to assess the knowledge, skills and activities aimed at achieving the competencies, and to make the assessment as objective as possible, different types of assessment will be combined.

The evaluation of the subject will be distributed according to the lectures and seminars. There will be a partial exam that will be equivalent to 40% of the subject.

The evaluation of the seminars (60% of the subject) will be divided into two equal parts: 30% will be covered by the deliverables that will be proposed during the course and the other 30%, by the final evaluation of the court.

To pass the subject it will be necessary to obtain a minimum score of 4 points in each test and that the average of all is equal to or higher than 5.

Bibliography

Basic

Jordan, James F. *Innovation, Commercialization, and Start-Ups in Life Sciences*. 2nd ed. Milton: Taylor & Francis Group, 2021. Print.

Castro Abancéns, Ignacio., and José Ignacio. Rufino Rus. *Creación de empresas para emprendedores*. Madrid: Pirámide, 2010. Print.

Escorsa Castells, Pere., and Jaume. Valls Pasola. *Tecnología e innovación en la empresa*. Barcelona: Universitat Politècnica de Catalunya, 2003. Print.

Koontz, Harold, Heinz. Wehrich, and Enrique. Mercado González. *Administración: una perspectiva global*. 12 ed. México: MacGraw-Hill, 2004. Print.

Escorsa, Pere, and Américo. Albala. *La Gestión de la empresa de alta tecnología*. Barcelona: Ariel, 1990. Print.

Complementary

Innovation and Entrepreneurship in Health. Auckland: Dove Medical Press Ltd, 2014. Print.

Krattiger, Anatole F. *Intellectual Property Management in Health and Agricultural Innovation: a Handbook of Best Practices*. Oxford: MIHR, 2007. Print.

EU Research and Innovation Projects in Artificial Intelligence: Health. Luxembourg: Publications Office, 2021. Print.

<https://es.espacenet.com/>: Espacenet ofereix accés gratuït a informació sobre invents i desenvolupaments tècnics des de 1782 fins a l'actualitat

<https://www.cdti.es/>: El Centre per al Desenvolupament Tecnològic Industrial (CDTI) és una entitat pública empresarial dependent del Ministeri d'Economia i Competitivitat (MINECO). La seva missió és contribuir al canvi de model econòmic recolzant les empreses en els seus desenvolupaments tecnològics per a la creació de nous processos, productes i serveis, o la millora substancial d'aquests.

https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en: Horitzó Europa: Programa de finançament de recerca i innovació fins al 2027. Com obtenir finançament, estructura del programa, missions, associacions europees, notícies i esdeveniments.