



Universitat de Lleida

DEGREE CURRICULUM

ACTIVIDAD Y PROGRAMAS DE INNOVACIÓN EN SALUD Y TRANSFERENCIA

Coordination: SANCHEZ DE LA TORRE, MANUEL

Academic year 2022-23

Subject's general information

Subject name	ACTIVIDAD Y PROGRAMAS DE INNOVACIÓN EN SALUD Y TRANSFERENCIA			
Code	14093			
Semester	2nd Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Master's Degree in Research, Innovation and Health Transfer	1	COMPULSORY	Blended learning
Course number of credits (ECTS)	6			
Type of activity, credits, and groups	Activity type	PRAULA	TEORIA	
	Number of credits	3	3	
	Number of groups	1	1	
Coordination	SANCHEZ DE LA TORRE, MANUEL			
Department	NURSING AND PHYSIOTHERAPY			
Teaching load distribution between lectures and independent student work	<p>The activity of the subject is divided into 6 Activity Modules that include face-to-face teaching content and autonomous student work. Each of the modules will have a teaching content to be taught by the teaching staff of the subject and a job to be done by the student and evaluable. The Activity Modules are listed below:</p> <p>MODULE 1: Development planning of the innovative project.</p> <p>MODULE 2: Ethical and legal aspects of scientific property. Development and patent regulations (assessment of freedom to Operate (FTO)). protection and ownership of innovation and license shares.</p> <p>MODULE 3: Primary and secondary market study. Development of a plan business.</p> <p>MODULE 4: Financing in transfer activities: Venture capital & business angels case.</p> <p>MODULE 5: Creation of start-ups/spin-off: Composition, needs and program of developing.</p> <p>MODULE 6: Accompaniment programs / Bootcamp programs and creation of company in the transfer process: Public entities, private entities and foundations.</p>			
Important information on data processing	Consult this link for more information.			
Language	Castellano / Català / English.			
Distribution of credits	Credits (6). Classroom teaching hours (12). Hours of self-employment (48)			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
RUBINAT ARNALDO, ESTHER	esther.rubinat@udl.cat	3,2	
SANCHEZ DE LA TORRE, MANUEL	manuel.sanchez@udl.cat	2,8	

Subject's extra information

Pre requirements

- Basic training in study design and generation of knowledge value.
- Ability to propose improvement actions in areas of interest with business value.

Other additional requirements

- Knowledge for reading documents in English.
- Computer knowledge at the user level.

Learning objectives

- Acquire knowledge in a context of scientific research of the theoretical-practical aspects and methodological
- Know how to evaluate and select the appropriate scientific theory and the precise methodology of their fields of study to make judgments based on incomplete or limited information.
- Demonstrate mastery in the use and management of software for the design of studies and the analysis of data from a own study of their scientific field.
- Know how to transmit in a clear way the results from scientific and technological research or from the field of innovation, as well as the most relevant foundations on which they are based.
- Learn about the different phases of development of innovative activity and planning of transfer actions industrial.
- Learning of the intellectual property protection process and licensing process.
- Learn about the spin-off creation program, funding sources, and business plan development.
- Identify the different tools and accompaniment programs in the transfer process.

Competences

Basic skills

CB06 Possess and understand knowledge that provides a base or opportunity to be original in the development and/or application of ideas, often in a research context

CB07 That students know how to apply the knowledge acquired and have the ability to solve problems in new or unfamiliar settings within broader (or multidisciplinary) contexts related to your area of study

CB08 That students are able to integrate knowledge and face the complexity of

formulate judgments based on information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments

CB09 That students know how to communicate their conclusions -and the knowledge and ultimate reasons that they support them – to specialized and non-specialized audiences in a clear and unambiguous way

CB10 That students have the learning skills that allow them to continue studying

a mode that will be largely self-directed or autonomous

General Competencies

CG2 Consider the perspective of gender and equality in the scientific field in Health

CG3 Select and evaluate the appropriate scientific foundation, based on aspects of responsibility social and ethical principles, which guide the solution in each case, project or program

CG4 Apply information and computing technologies in the scientific-technical field

Specific Competencies

CE1 Formulate the appropriate research question for the problem to be investigated and subsequently develop a theoretical framework based on reliable sources of information in the field of health sciences

CE2 Carry out a critical analysis of the literature, the methodological approach and the context, taking into account the professional, ethical and legal principles in force in health sciences

CE3 Demonstrate knowledge and skills for the development of quantitative methodological designs and/or qualitative in health sciences

CE4 Use the appropriate techniques to analyze the data and the relationships between variables or categories in quantitative and/or qualitative research in health sciences

CE6 Apply the knowledge acquired in a research project that promotes innovation in the field of health

CE7 Apply the bases of scientific evidence in health sciences and recognize the need for innovation and knowledge transfer.

Subject contents

1. Development planning of the innovative project.
2. Ethical and legal aspects of scientific property. Development and regulation of patents (assessment Freedom to Operate (FTO)). Protection and ownership of innovation and license actions.
3. Primary and secondary market study. Development of a business plan.

4. Financing in transfer activities: Venture capital & business angels case.

5. Creation of start-ups/spin-off: Composition, needs and development program. Programs of Accompaniment/Bootcamp programs and company creation in the transfer process: Entities public, private entities and foundations.

Methodology

The development of the subject will be carried out through a mixed approach that includes actions of theoretical learning in the format of lectures and seminars, together with the individual work to be carried out. During the classes will teach the theoretical content of the subject and will detail the basic guidelines for the development of evaluable work. The content of the work will respond to the objective of developing a transfer plan based on identifying an idea of transferable value for the industrial fabric. The development of working memory It must include the statement of the problem, the proposed solution and the product to be transferred. In addition, it will be detailed an intellectual protection plan for the asset and a scheme of actions for the study of the primary market and secondary. Finally, a business plan roadmap will be detailed, identifying specific and possible milestones sources of financing and possible generation of business.

The transfer project that constitutes the work to be developed by the groups will be exposed to the rest of the classmates and teaching staff responsible for the subject. Student participation and attendance will be evaluated to the theoretical classes, and the work developed and its public exhibition/defense.

Development plan

1. Master class / seminar. Development planning of the innovative project.

Activity. Approach and discussion of ideas.

2. Master class / seminar. Ethical and legal aspects of scientific property. Development and patent regulations (assessment of freedom to Operate (FTO)). Protection and ownership of innovation and license actions.

3. Master class / seminar. Primary and secondary market study. Development of a plan business.

4. Master class / seminar. Financing in transfer activities: Venture capital & business angels case.

5. Master class / seminar. Creation of start-ups/spin-off: Composition, needs and development program.

6. Master class / seminar. Accompaniment programs / Bootcamps and creation programs company in the transfer process: Public entities, private entities and foundations.

7. Group work. Development of the transfer project.

Evaluation

Evaluation criteria	
Activity	% Evaluation
Attendance and participation in discussion forums, seminars, tutorials and participation/debate in the presentation of works from other colleagues.	40
Elaboration of tasks	40

Bibliography

- Bioscience - Lost in Translation?. How precision medicine closes the innovation gap. Richard Barker. ISBN: 9780198737780. Oxford University Press. DOI:10.1093/med/9780198737780.001.000
- Branson, Richard, Business Stripped Bare – Adventures of a Global Entrepreneur (St. Martin's Press, 2008).