Universitat de Lleida

DEGREE CURRICULUM

PRÁCTICA BASADA EN LA EVIDENCIA. E-HEALTH

Coordination: FERNÁNDEZ LAGO, HELENA

Academic year 2022-23

Subject's general information

Subject name	PRÁCTICA BASADA EN LA EVIDENCIA. E-HEALTH
Code	14087
Semester	1st 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	FERNÁNDEZ LAGO, HELENA
Department	NURSING AND PHYSIOTHERAPY
Teaching load distribution between lectures and independent student work	45 hours of theoretical classes, seminars and tutorials (30%) 105 hours of student's autonomous work (70%) TOTAL: 150 hours Catalan, Spanish, English
Important information on data processing	Consult this link for more information.
Language	Catalan, Spanish, English
Distribution of credits	Distribution of the 6 ECTS credits: Face-to-face activities (8%), non-face-to-face activities (92%)

EVIDENCE-BASED PRACTICE. E-HEALTH 2022-23

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
CAMBRAY CARNER, SERAFIN	serafi.cambray@udl.cat	2,5	
FERNÁNDEZ LAGO, HELENA	helena.fernandez@udl.cat	3,5	

Subject's extra information

Description of the subject

In the context of the Master's Degree in Research, Innovation and Health Transfer, the compulsory subject "Evidence-Based Practice. E-Health "is one of the subjects that make up the Fundamentals of Health Research module. According to the module in which it is framed, the students will acquire the basic knowledge about the scientific method adapted to the Health Sciences. Specifically, it will enable you to critically reflect on scientific literature with the aim of making the best decision-making in people's health. All this framed within the new challenges of innovation in health, such as E-Health.

Complementary information

The University of Lleida informs that, for teaching purposes, it will record images that identify students and other people who participate in academic activities. The person responsible for the treatment of these images is the University of Lleida (contact details of the representative: General Secretariat. Plaza de Víctor Siurana, 1, 25003 Lleida, sg@udl.cat; contact details of the data protection officer: DPD @ udl.cat).

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Learning objectives

- Design research questions on areas of uncertainty.

- Design the research process respecting ethics and legal aspects in health research.

- Perform a critical reading of the information based on methodological quality criteria.

- Identify the basic principles of Evidence Based Practice (EBP) and its phases of development.

- Identify health innovation strategies in relation to E-Health.

Competences

Basic skills
CB06 To possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context CB08 To be able to integrate knowledge and face the complexity of formulating 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
General skills
CG1 Conceptualize the scientific method and know how to implement it or transfer it to the field of health sciences CG2 Consider the gender and equality perspective in the scientific field in Health CG3 Select and evaluate the appropriate scientific foundation, based on social responsibility and ethical principles' aspects, to guide the solution in each case, project or program. CG4 Apply information and computing technologies in the scientific-technical field
Specific Skills
CE2 Carry out a critical analysis of literature, methodological approach and the context, taking into account the professional, ethical and legal principles in health sciences CE7 Apply the bases of scientific evidence in health sciences and recognize the need for innovation and knowledge transfer

Subject contents

Module 1: Introduction to Evidence-Based Practice and E-Health.

Module 2: Interpretation of scientific results for their application in clinical practice: critical reading of scientific literature and clinical practice guidelines.

Module 3: Ethics, legislation and digital reputation.

Module 4: Active participation in RRI (Responsible Research and Innovation).

- User-Centered Design.

Module 5: Digital Health Tools and Innovation in Health.

Digital Health tools for prevention, early detection, decision making in health: Big Data, ICTs, Gamification, Apps.

Presentation and development of E-Health Innovation projects: real cases.

Methodology

Different teaching methodologies will be used, framed in a face-to-face and non-face-to-face format.

In the face-to-face or synchronous sessions (12h), theoretical lectures will be given in combination with seminars with group dynamics. The learning of theoretical fundamentals is guaranteed, as well as the identification and resolution of problems and exercises, all in a collaborative manner.

In order to carry out the different non face-to-face activities, the following methodological axes will be used:

- The visualization and consultation of asynchronous virtual audiovisual presentations and other support resources (presentations, documents...).
- The resolution of exercises and problems.
- Participation in forums
- Individual work
- Group work

Development plan

Module 1: Introduction to Evidence-Based Practice and E-Health.

- Face-to-face or synchronous session.

- Asynchronous consultation and visualization of audiovisual material.

- Performance and delivery of activity.

Module 2: Interpretation of scientific results for their application in clinical practice: critical reading of scientific literature and clinical practice guidelines.

- Consultation and visualization of asynchronous audiovisual material.

- Performance and delivery of activity.

Module 3: Ethics, legislation and digital reputation.

- Face-to-face or synchronous session.

- Consultation and visualization of asynchronous audiovisual material.

- Completion and delivery of activity.

Module 4: Active participation RRI (Responsible Research and Innovation).

- Face-to-face or synchronous session.

- Consultation and visualization of asynchronous audiovisual material.

- Completion and delivery of activity.

Module 5: Digital Health and Health Innovation Tools

- Face-to-face or synchronous session.

- Consultation and visualization of asynchronous audiovisual material.

- Completion and delivery of activity

The synchronous face-to-face sessions will be held during the week of October 18-21. The different modules will then be addressed periodically online. Each module will have an evaluation activity to ensure continuous assessment. There will be a final group work of the subject in which the transversal integration of the acquired knowledge will be evaluated.