



Universitat de Lleida

DEGREE CURRICULUM **EVIDENCE-BASED PRACTICE. E-HEALTH**

Coordination: FERNÁNDEZ LAGO, HELENA

Academic year 2023-24

Subject's general information

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|--|--|--------|------------|------------------|
| Subject name | EVIDENCE-BASED PRACTICE. 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%) | | | |

| 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 |
|--|
| <p>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</p> <p>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</p> |
| General skills |
| <p>CG1 Conceptualize the scientific method and know how to implement it or transfer it to the field of health sciences</p> <p>CG2 Consider the gender and equality perspective in the scientific field in Health</p> <p>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.</p> <p>CG4 Apply information and computing technologies in the scientific-technical field</p> |
| Specific Skills |
| <p>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</p> <p>CE7 Apply the bases of scientific evidence in health sciences and recognize the need for innovation and knowledge transfer</p> |

Subject contents

- Module 1: Introduction to EBP and Digitalisation in Health.
- Module 2: Interpretation of scientific results for their application to clinical healthcare practice.
- Module 3: Active participation Responsible Research and Innovation (RRI) and User-Centred Design (UCD).
- Module 4: Ethics, legislation and digital reputation.
- Module 5: Digital Health Tools & Health Technology Assessment (HTA).

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 EBP and Digitisation in Health.

- Face-to-face/synchronous session/consultation and viewing of asynchronous audiovisual material.
- Activity release.

Module 2: Interpretation of scientific results for their application to clinical healthcare practice.

- Face-to-face/synchronous session/consultation and viewing of asynchronous audiovisual material.
- Activity delivery.

Module 3: Active participation in Responsible Research and Innovation (RRI) and User-Centred Design (*DCU).

- Face-to-face/synchronous session/consultation and viewing of asynchronous audiovisual material.
- Activity delivery.

Module 4: Ethics, legislation, and digital reputation.

- Classroom/synchronous session/Consultation&visualisation of asynchronous audiovisual material.
- Activity delivery

Module 5: Eines de Salut Digital & evaluation of health technologies (HTA)

- Face-to-face/synchronous session/Consultation&visualisation of asynchronous audiovisual material.
- Delivery of the activity

The synchronous sessions will be held during the week of attendance in accordance with the academic calendar. The different modules will then be addressed periodically online. Each module will have an assessment activity to ensure continuous assessment. There will be a final group work of the course in which the transversal integration of the acquired knowledge will be assessed.

Evaluation

| Evaluation system | | |
|-----------------------------|---|-----|
| Theoretical Block | Attendance and participation in master classes, seminars, tutorials and conferences | 30% |
| Continuous Assessment Block | Individual activity of exercises continuous assessment or preparation of tutorials | 35% |
| Group Work Block | Group activity to solve cases, problems or exercises | 35% |

In order to pass this course, a 5/10 overall grade must be obtained taking into account the different blocks.

The Theoretical Block will require mandatory attendance and participation in classroom sessions, as well as forums on the virtual campus.

The Continuous Assessment Block will require the delivery of activities associated with the modules that make up the course within the established deadline.

The Group Work Block includes the completion of a final group work to be delivered within the established deadline. The bases of the same will be published in the virtual campus at the beginning of the course.

Bibliography

The bibliography will be hanging as the subject develops. These are some bibliographic resources available in the UdL library:

Argimón Pallàs, JM; Jiménez Vila, J. Métodos de investigación clínica y epidemiológica. 5a ed. Barcelona: Elsevier, 2019.

Hernández Sampieri R, Fernández Collado C, Baptista Lucio P. Metodología de la investigación. 6a ed. México DF: Mc Graw Hill, 2014.

Grove SK, Gray JR. Investigación en enfermería: desarrollo de la práctica enfermera basada en la evidencia. 7a ed. Barcelona: Elsevier, 2019.