

Master's Dissertation

Code: 42741
ECTS Credits: 15

Degree	Type	Year	Semester
4312326 Applied Clinical Research in Health Sciences	OB	0	2

Contact

Name: Xavier Bonfill Cosp

Email: Xavier.Bonfill@uab.cat

Use of Languages

Principal working language: spanish (spa)

External teachers

Miquel Sabrià Leal i Directors del Treball de Recerca

Prerequisites

To access this module, students must be done the introductory module of "Basic Methodology in Clinical Research" and have a tutor / director (in all cases a doctor) integrated in a recognized research group.

The module will also accept the enrolment of students who require only 30 ECTS of research to complete their academic profile prior to accessing doctoral studies (in these cases the requirement of being in the introductory module of " Basic Methodology in Clinical Research " will not be required.

However, a level of knowledge of technical English is required that allows reading and understanding of texts in English.

Objectives and Contextualisation

The fundamental objective is to introduce the student in a specific line of research, where through dynamic learning (in action) he will develop his research project and his research work.

The student chooses the research line (among all the open lines in this master's degree) based on the specialty in health sciences he is developing), personal interest or prestige of the research group. In any case, the final objective is to complete this master's degree with a practical immersion within the world of research, together with prestigious researchers and consolidated research lines.

The learning (see also "Research Practices") will be developed under the tutelage of a project / research director, who will sign the viability of the project, learning progress and work availability.

Competences

- Act respecting the Independent Ethics and legal aspects of the research and of the professional activities.
- Communicate and apply knowledge to the public and cultural debate.
- Communicate effectively and clearly, both orally and in writing, justifications, results and conclusions of the investigation.

- Development of habilidades autoaprendizaje y su formación Motivación to continue to postgraduate level.
- Development scientific knowledge, creativity and Critical Thinking.
- Formulating problems, hypotheses and research objetivos.
- Identify and comprehend the continuous advance and looking retos
- Maintain and update their scientific skills, with particular emphasis on learning autonomously new knowledge and techniques in the field of health sciences and other areas of biomedicine.
- Participate in the development of a protocol for basic, clinical or experimental research, based on scientific methodology.
- Prove that the methodologies covering estadísticas básicas utilizadas in the biomedical and clinical estudios y análisis use the tools of the modern computational technology.
- Recognize and explain the ethical, regulatory and financial context in which biomedical research must be conducted
- Working as part of a group along with other professionals, understand their views and cooperate constructively.

Learning Outcomes

1. Act respecting the ethical and legal aspects of research and professional activities.
2. Analyze data from a research project with the proper scientific methodology, collect results, conclusions and define constraints.
3. Communicate and apply knowledge to the public and cultural debate.
4. Describe the advances in medical research and its implications in the design of research protocols.
5. Designing a research project.
6. Develop scientific knowledge, critical thinking and creativity.
7. Develop self-learning skills and motivation to continue their education at the graduate level.
8. Formulate hypotheses and research objectives within a consolidated research line.
9. Identify and understand the ongoing progress and challenges in search
10. Manage complex software packages.
11. Manage informed consent for biomedical research.
12. Use the ethical bases in the research project - Master's Dissertation- you are developing.
13. Work independently and autonomously in the process of research in the field of health and / or biomedicine.
14. Working as part of a group along with other professionals, understand their views and cooperate constructively.
15. Write a report and / or scientific publication of a research using scientific terminology and defend it orally.

Content

In this module the student will develop the research work based on the selected research project.

It will culminate in the elaboration of a research paper that you must present in written format and defend before a master's court. (See link to "Research Work Regulations").

Methodology

Tutoring, preparation and elaboration of works

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			

Tutorials and oral presentations	75	3	1, 2, 3, 4, 6, 7, 5, 8, 9, 11, 10, 15, 14, 13
Type: Autonomous			
Preparation and elaboration of works	298	11.92	1, 2, 3, 4, 6, 7, 9, 11, 10, 15, 14, 13

Assessment

The evaluation of the Master's Thesis will be done jointly with the Research Practices, with special emphasis on sections 3 and 4 of the evaluation.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Evaluation of written work (presentation and content).	50%	0.5	0.02	1, 2, 3, 4, 6, 7, 5, 8, 9, 11, 10, 15, 14, 13, 12
Oral presentation of the research work before a court formed by three doctor members	50%	1.5	0.06	1, 2, 3, 4, 6, 7, 5, 8, 9, 11, 10, 15, 14, 13

Bibliography

- Bunge M. 2004. La investigación científica. 3ª ed. Siglo XXI editores.
- Eyssautier De La Mora M. 2006. Metodología de la investigación: desarrollo de la inteligencia. 5ª ed. Thomson Editores.
- Icart Isern MT, Pulpón Segura AM. 2012. Cómo elaborar y presentar un proyecto de investigación, una tesina y una tesis. Editorial Barcelona: Publicacions i Edicions de la Universitat de Barcelona.
- Medawar PB. 2011. Título: Consejos a un joven científico. Editorial Barcelona: Publicacions i Edicions de la Universitat de Barcelona.
- Münch L, Ángeles E. 2011. Métodos y técnicas de investigación. 4ª ed. Trillas editores.
- Namakforoosh MN. 2005. Metodología de la investigación. 2ª ed. Limusa editores.
- Tamayo M. 2004. El proceso de la investigación científica: incluye evaluación y administración de proyectos de investigación. 4ª ed. Limusa editores

Enllaç a la Normativa del Treball de Recerca

http://icacs.uab.cat/Castellano/index.php#!/Normativa_258_1