

Master's Degree in Clinical Research

Competencies and learning outcomes - basic

Code	Description
COMP CB6	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.
RAT CN03	Identify health problems that can be investigated.
COMP CB7	That students know how to apply their acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study.
RAT HB01	Apply the scientific method, research design, advanced biostatistics, and quantitative and qualitative data analysis tools to solve a question or test a hypothesis in the clinical setting.
COMP CB8	That students are able to integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
RAT HB04	Discuss judgments based on ethical and social responsibility in clinical research.
COMP CB9	That students know how to communicate their conclusions -and the ultimate knowledge and reasons that support them- to specialized and non-specialized audiences in a clear and unambiguous manner.
RAT CP03	Communicate the stages of a clinical research project to specialized and non-specialized audiences in a clear and unambiguous manner.
COMP CB10	That students possess the learning skills that will enable them to continue studying in a manner that will be largely self-directed or autonomous.
RAT CP01	Design an advanced research project on clinical aspects following ethical standards and scientific rigor and respecting the fundamental rights of equality between men and women, and the promotion of human rights and the values of a culture of peace and democratic values, using language that avoids androcentrism and stereotypes.

Competencies and learning outcomes - general

Code	Description
COMP CG1	Ability to integrate new knowledge acquired through research and study, and cope with complexity.
RAT CP01	Design an advanced research project on clinical aspects following ethical standards and scientific rigor and respecting the fundamental rights of equality between men and women, and the promotion of human rights and the values of a culture of peace and democratic values, using language that avoids androcentrism and stereotypes.
COMP CG2	Capacity to analyze and discuss research results, as well as to issue the corresponding results.
RAT CP01	Design an advanced research project on clinical aspects following ethical standards and scientific rigor and respecting the fundamental rights of equality between men and women, and the promotion of human rights and the values of a culture of

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	peace and democratic values, using language that avoids androcentrism and stereotypes.
COMP CG3	Ability to formulate operational research questions and hypotheses based on scientific evidence.
RAT CP01	Design an advanced research project on clinical aspects following ethical standards and scientific rigor and respecting the fundamental rights of equality between men and women, and the promotion of human rights and the values of a culture of peace and democratic values, using language that avoids androcentrism and stereotypes.
COMP CG4	Ability to argue and defend one's own scientific ideas in an ethical manner in relation to the research process.
RAT HB02	Use tools to critically evaluate projects, protocols and research articles, both qualitative and quantitative, in the field of health sciences.

Cross-cutting competencies

Código	Descripción
COMP CT1	Ability to integrate into an established, multidisciplinary and multicultural work team.
RAT CP02	Work in a multidisciplinary and multicultural team in a clinical research project.
RAT CN04	Describe the main research protocols in the clinical setting.
RAT HB03	Apply different bibliographic search strategies in a clinical research project using the main databases in health sciences.

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Specific Competences

Code	Description
COMP CE1	Know how to apply the scientific method, experimental design and biostatistics to solve a question or test a hypothesis in the clinical setting.
RAT HB01	Apply the scientific method, research design, advanced biostatistics, and quantitative and qualitative data analysis tools to solve a question or test a hypothesis in the clinical setting.
COMP CE2	Know how to design a research project in the clinical setting within a specific context.
RAT CP01	Design an advanced research project on clinical aspects following ethical standards and scientific rigor and respecting the fundamental rights of equality between men and women, and the promotion of human rights and the values of a culture of peace and democratic values, using language that avoids androcentrism and stereotypes.
COMP CE3	To know how to describe the methodological designs used in health research, both quantitative and qualitative, in the health environment.
RAT CN02	Describe the most prominent methodologies and research designs in the field of health.
COMP CE4	Know how to use instruments for critical evaluation of qualitative and quantitative research articles.
RAT HB02	Use tools to critically evaluate projects, protocols and research articles, both qualitative and quantitative, in the field of health sciences.
COMP CE5	Apply the language of scientific writing in the communication of health outcomes.
RAT CP03	Communicate the stages of a clinical research project to specialized and non-specialized audiences in a clear and unambiguous manner.
COMP CE6	To know how to describe and apply the most common techniques to explore and analyze data, relationships between variables or categories and/or contrast hypotheses in both quantitative and qualitative research.
RAT HB01	Apply the scientific method, research design, advanced biostatistics, and quantitative and qualitative data analysis tools to solve a question or test a hypothesis in the clinical setting.
COMP CE7	Know how to identify health problems that can be investigated and apply specific techniques for their analysis and evaluation.
RAT CN03	Identify health problems that can be investigated.
COMP CE8	Know how to evaluate research projects and protocols.
RAT HB02	Use tools to critically evaluate projects, protocols and research articles, both qualitative and quantitative, in the field of health sciences.
COMP CE9	To know how to apply the specific theoretical and practical knowledge of health sciences research.
RAT HB01	Apply the scientific method, research design, advanced biostatistics, and quantitative and qualitative data analysis tools to solve a question or test a hypothesis in the clinical setting.
COMP CE10	To know how to apply the ethical, legislative and humanitarian foundations in the practice of research and in the dissemination of results.
RAT HB02	Use tools to critically evaluate projects, protocols and research articles, both qualitative and quantitative, in the field of health sciences.