VNIVERSITAT DE VALÈNCIA

Course Guide
43045 Master's final project

COURSE DATA

Data Subject	
Code	43045
Name	Master's final project
Cycle	Master's degree
ECTS Credits	15.0
Academic year	2024 - 2025

Study (s)

Degree	Center	Acad. year	Period
2138 - Master's Degree in Research in and Rational Use of Medicines	Faculty of Pharmacy and Food Sciences	1	Second term

Subject-matter

Degree	Subject-matter	Character
2138 - Master's Degree in Research in and Rational Use of Medicines	21 - Final project	End Labour Studies

Coordination

Name	Department
MERINO SANJUAN, MATILDE	134 - Pharmacy and Pharmaceutical Technology
NOGUERA ROMERO, MARIA ANTONIA	135 - Pharmacology

SUMMARY

Depending on the specialty may be a field or research proyect.

Development of a research work in various aspects: conceptual, methodological, analysis of results, their interpretation and writing of a scientific work

Development of a field study to implement the principles of rational drug use in health centers, hospitals, drug information centers, professional associations, etc. The papers dealt with topics of interest based on identified needs and have a very practical purpose, being designed to demonstrate and, if possible, to correct problems related to rational use of medicines, but also to increasing the practice of this concept by health education.

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PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

For the work presentation to Master students must have taken and passed the required courses and 30 credits of electives

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

2138 - Master's Degree in Research in and Rational Use of Medicines

- Manejar adecuadamente las fuentes de información biomédica y poseer la habilidad de hacer una valoración crítica de las mismas integrando la información para aportar conocimientos a grupos asistenciales multidisciplinares
- Utilizar adecuadamente las herramientas informáticas, métodos estadísticos y de simulación de datos, aplicando los programas informáticos y la estadística a los problemas biomédicos
- Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study.
- To be able to integrate knowledge and face the complexity of formulating judgments from information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
- Know how to communicate your conclusions (and the underlying knowledge and reasons) to both specialist and non-specialist audiences in a clear and unambiguous way.
- Possess the learning skills that will allow them to continue studying in a way that will be largely self-directed or autonomous.
- To acquire basic skills to develop laboratory work in biomedical research.
- Be able to make quick and effective decisions in professional or research practice.
- Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Know how to write and prepare presentations to present and defend them later.
- Critically analyse one's own work and that of colleagues.
- Be able to access to information tools in other areas of knowledge and use them properly.
- To be able to assess the need to complete the scientific, historical, language, informatics, literature, ethics, social and human background in general, attending conferences, courses or doing complementary activities, self-assessing the contribution of these activities towards a comprehensive development.

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- Be able to apply the research experience acquired to professional practice both in private companies and in public organisations.
- Dominar los aspectos éticos y legales del medicamento tanto a nivel asistencial como los relacionados con los ensayos preclínicos y clínicos.
- Resolver de dilemas éticos derivados del empleo de medicamentos.
- Dominar la comunicación científica. Poseer habilidades sociales y comunicativas en la práctica asistencial.
- Select and manage available resources (instrumental and human) to optimise research outcomes.
- Dominar el método científico, el planteamiento de protocolos experimentales y la interpretación de resultados en la búsqueda, desarrollo y evaluación de nuevos fármacos.
- Analizar la utilización de medicamentos para la buena práctica asistencial. Capacidad para evaluar resultados farmacoterapéuticos.
- Capacidad para desarrollar y proponer procedimientos que contribuyan al uso racional del medicamento.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

At the end of the teaching-learning process the student should be able to:

Make a research based on studies of drugs and is part of a broader line of research, with the necessary coordination.

Use scientific databases, abstracts, full articles, documentation, etc.. required to have a clear view of the history, originality, interest and viability of a particular study.

Properly use research methodologies in Pharmacology, Biopharmaceutics and pharmacotechnics.

Working in the scope required for a particular study, with maximum operator safety and the environment.

Apply knowledge of aspects of rational use of drugs we studies to improve the quality of drug utilization at different levels of care.

Develop a clear and concise report of the results of a research paper.

Present and defend before a specialized audience, development, results and conclusions of a research work.

Explain clearly and concisely the findings of a research work that may be of interest to a lay audience.

Show by performing the tasks of a research and exposition and defense, the ability to apply research experience gained in the planning and implementation of future studies to be conducted in different settings within the field of Drug Research.

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DESCRIPTION OF CONTENTS

1. Research work

Conducting a research on a particular line belongs to the research group which is part of the Guardian and in which the student will be integrated to perform.
Development of memory with the relevant sections and correct citation of references used

WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
Development of individual work	30,00	0
Study and independent work	50,00	0
Readings supplementary material	30,00	0
Preparation of evaluation activities	20,00	0
Development of a final project	170,00	0
TOTAL	**300,00**	

TEACHING METHODOLOGY

Approach, development and elaboration of a research project.
During the elaboration of the work, the applications of the contents of the subject in relation to the Objectives of Sustainable Development (ODS) will be approached. The aim is to provide knowledge, skills and motivation to understand and address these SDGs, while promoting reflection and criticism.

EVALUATION

Evaluation of memory and oral public presentation of Final Project in court

The evaluation criteria include:

1) Work training capacity = 60%

-Adapting Literature

-Results

-Forms and Figures

-Interpretation of results

-Scientific -Drafting

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2) Report and Presentation = 20%

-Format Memory

-Audiovisual -format

3) Defense = 20%

-Exhibition

-Debate

The mentor evaluator will send to the President, prior to the public defense of the final project work, an evaluation report of the following sections:

1) Commitment and interest of the student / a = 15%

2) Degree of autonomy = 40%

- I work freelance

- Ability, organization and decision

-Critical spirit

3) Learning level = 45%

-knowledge acquired

- acquired -competencies

-Ability Writing

-Interpretation of the results

The report of the guardian may have a maximum of 25% of the final mark, as long as the court deems appropriate.

Evidence of copying or plagiarism in any of the assessable tasks will result in failure to pass the subject and in appropriate disciplinary action being taken. Please note that, in accordance with article 13. d) of the Statute of the University Student (RD 1791/2010, of 30 December), it is the duty of students to refrain from using or participating in dishonest means in assessment tests, assignments or university official documents.

In the event of fraudulent practices, the "**Action Protocol for fraudulent practices at the University of Valencia**" will be applied (ACGUV 123/2020): https://www.uv.es/sgeneral/Protocols/C83sp.pdf

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REFERENCES

Basic

- Bibliografía relacionada con el tema del trabajo fin de master

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