

68426 - Research in medical specialties

Información del Plan Docente

Academic Year	2018/19
Subject	68426 - Research in medical specialties
Faculty / School	104 - Facultad de Medicina
Degree	530 - Master's in Introduction to Medical Research
ECTS	6.0
Year	1
Semester	First semester
Subject Type	Compulsory
Module	---

1.General information

1.1.Aims of the course

The subject "Research in Medical Specialties" is one of the elective options offered in the Master of Initiation to Research in Medicine and includes a heterogeneous group of contents, all of them included in Internal Medicine. The content of the subject offers the student the possibility of acquiring knowledge that will allow him to start in basic or applied research.

Each of the sections of the subject presents specific very specific aspects that attempt to adapt the design of research protocols to clinical practice.

Specific aims:

1. Know the molecular and cellular bases on which bio-medical research is based on the main health problems in medical diseases with the highest prevalence.
2. Identify the lack of scientific evidence in the practice of different medical specialties
3. Reason and design models of specific clinical studies in translational research in medical specialties.

1.2.Context and importance of this course in the degree

This subject provides knowledge of the scientific and academic environment in which different lines and research projects are developed. In this context, the student will participate through the supervised design of a research project.

1.3.Recommendations to take this course

It is a compulsory subject of the first semester of the Master that aims to convey unresolved aspects of the main medical specialties to introduce the student to the critical analysis of what affects the clinic and research

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2. Learning goals

2.1. Competences

Upon passing the subject, the student will be more competent to ...

1. Critically analyse the methodology, results and conclusions of the different clinical studies
2. Propose a research project in the unresolved aspects, contemplated in the different Medical Specialties

2.2. Learning goals

The student, to pass this subject, must demonstrate the following tools

1. To propose a research project in non-respectable aspects of the different Medical Specialties
2. Carry out a critical analysis of the available evidence and identify a problem or an unproven hypothesis
3. Propose objectives consistent with the hypotheses raised and select the appropriate material and methods for its development

2.3. Importance of learning goals

The main objective of the subject is to introduce the student to the scientific and academic research environment. The student must participate actively through the tutorial design of a research project of some of the parts of the subject

3. Assessment (1st and 2nd call)

3.1. Assessment tasks (description of tasks, marking system and assessment criteria)

The student must demonstrate that he has achieved all the expected results of the apprenticeship through the following evaluation activities. In the evaluation of the subject three aspects will be considered: attendance and participation, supervised work and objective final test type test with the following percentages

- Attendance / participation ----- 40%

- Tutoring work ----- 30%

- Final objective test ----- 30%

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

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The methodology followed in this course is oriented towards achievement of the learning objectives. It develops the evaluation and the analysis of the process in the clinic critical thinking, the assessment of contributions to the medical specialties, and how to do a research project.

4.2.Learning tasks

The course includes the following learning tasks:

- Theory sessions. Every topic of the syllabus will be presented, analysed and discussed by the teacher as follows:
 - o Structured and Formal Presentation of the topics.
 - o Discussion and study of scientific articles published in relevant journals related.
 - o Group discussion.
 - o Conclusions.
- Guided project. Every student will prepare an investigation project about one of the topics studied.

4.3.Syllabus

Program

1. Research in Nephrology
2. Intervention in lifestyles in Family Medicine
3. Gastrointestinal and hepatic diseases
4. Digestive functional disorders
5. Nutrition and Metabolic diseases
6. Research in Clinical Neurology
7. Cardiovascular Emergencies and Heart Failure
8. Clinical reasoning
9. Models of Improvement of Clinical Practice
10. Research in Pneumology
11. Infectious Diseases
12. Epidemiology and Risk factors in Cardiovascular Pathology
13. Translational Research in Obesity

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14. Basic and Clinical Research in Oncology

4.4.Course planning and calendar

Provisional course planning

Date	Time	Topic	Professor
03/12/2018	16:00-18:00	Uptodate in Nephrology Research	Dr. Oscar Urbano Dr Pablo Iñigo JM Peña Porta
03/12/2018	18:00-20:00	Lifestyle Intervention for the General Practicioners	Rodrigo Córdoba Ga
04/12/2018	16:00-20:00	Advances in Liver Diseases and Gastroenterology	Ángel Lanas Arbeloa
05/12/2018	16:00-18:00	Digestive functional disorders	M. Montero, J Alcedo
05/12/2018	18:00-20:00	Neurological Clinical Investigation	JL Capablo JR Ara
10/12/2018	16:00-20:00	Cardiovascular Emergency Advances Heart Failure Arrythmias	Miguel A Suarez Pini José R Ruiz Arroyo JL Perez Calvo Naiara Calvo
11/12/2015	16:00-18:00	The Clinical Reasoning	Pilar Astier Peña Mª Teresa Delgado M

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11/12/2015	18:00-20:00	Clinical Practice and Improvement Models	Rosa Magallón Botay
12/12/2015	16:00-20:00	Uptoday research in Respiratory diseases	JM Marin S Carrizo
13/12/2015	16:00-18:00	Nutrition and Metabolic diseases	A Sanz
	18:00-20:00	Research in obesity	JM Arbones
17/12/2015	16:00-18:00	Infectious Diseases	JA Amiguet, M ^a J Cru Sanjoaquin, S Letona
	18:00-20:00	Basic and Clinical Research in Oncology	JA Artal, A.Anton
18/12/2015	16:00-20:00	Epidemiology and Risk factors in Cardiovascular Pathology	Dr. JA casanovas Dra. Montse León

4.5.Bibliography and recommended resources

none