COURSE DATA

DATA SUBJECT

Code: 43043
Name: Pharmacoeconomics
Cycle: Master's Degree / Doctorate
ECTS Credits: 3
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2138 - Master's Degree in Research in and Rational Use of Medicines	Facultat de Farmácia i Ciències de L'alimentació	1	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
2138 - Master's Degree in Research in and Rational Use of Medicines	Pharmacoeconomics	ELECTIVES

COORDINATION

MORILLAS JURADO FRANCISCO GABRIEL

SUMMARY

The analysis of the 'Drug Aggregate Demand' and 'Outputs' derived from this consumption should be a key tool for deciding on these issues and guide policies for optimizing resources and rational use of medicines. In any case, given the intrinsic importance of the drug as a healing agent and, secondly, because of the high society budget intended for the purchase of these, it seems indisputable need to develop and promote instruments that guarantee all citizens a Rational Use of Medicines.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

There is no registration restrictio

COMPETENCES / LEARNING OUTCOMES

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

Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.

Be able to access to information tools in other areas of knowledge and use them properly.

Be able to apply the research experience acquired to professional practice both in private companies and in public organisations.

Be able to integrate new technologies in their professional and/or research work.

Be able to make quick and effective decisions in professional or research practice.

Capacidad para desarrollar y proponer procedimientos que contribuyan al uso racional del medicamento.

Know how to write and prepare presentations to present and defend them later.

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

Resolver de dilemas éticos derivados del empleo de medicamentos.

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should demonstrate self-directed learning skills for continued academic growth.

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.

Utilizar adecuadamente las herramientas informáticas, métodos estadísticos y de simulación de datos, aplicando los programas informáticos y la estadística a los problemas biomédicos

DESCRIPTION OF CONTENTS

Real económicos singular: health, healthcare and the assistance Fármacos them. Demand for Medicines in sanitary assistance. Economic Evaluation of Health's programs: Techniques (TEE's). Aspects macroeconomic consumption Fármacos. Resource Allocation and Optimization of them in destinados

1. Economics. Fundamental Concepts and Problems

Fármacos. Economic analysis of the pharmaceutical industry. Techniques of Economic Evaluation of Medicines They use them to health care programs. The pharmaceutical industry

2. Singular economic assets: Health, Health Care and Drug

3. The demand for drugs.

4. Economic Evaluation of Health Programs. Technical (TEE's)

5. Macroeconomic Aspects of drug consumption

6. Optimization of health resources

7. The pharmaceutical industry

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	18,00
Seminar	10,00
Computer classroom practice	2,00
Total hours	**30,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	25,00
Independent study and work	15,00

Preparation of lessons	0,00
Preparation for assessment activities	5,00
Resolution of case studies	0,00
Total hours	**45,00**

TEACHING METHODOLOGY

During the activities, both theoretical and practical, the applications of the subject contents in relation to the Sustainable Development Goals (SDG) will be indicated. This is intended to provide knowledge, skills and motivation to understand and address these SDGs, while promoting reflection and criticism.

Theory classes
Participatory lectures
Discussion of items (readings)
Seminars
Computer Practices
Virtual teaching
Work Processing

EVALUATION

Formative Assessment
40% Problems and issues

Final evaluation
10% Theoretical examination

10% Practical examination
40% Workgroups

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

REFERENCES

- Culyer, A.; Newhouse, J. (2000): Handbook of health economics. North Holland.

- Dornbusch, R. (2004): Macroeconomía. McGraw-Hill.
- Drummond, M. (1995): An introduction to health economics. Brookwood.
- Folland, S. et al (1997): The economics of health and health care. Prentice-Hall.
- Hidalgo, A. et al (2000): Economía de la salud. Pirámide.
- Kreps (2005): Curso de teoría microeconómica. McGraw-Hill.
- López Casanovas, G. et al (1997): La regulación de servicios sanitarios en España. Civitas
- López Casanovas, G. et al (1998): Economía y Salud. Fundamentos y Políticas. Ediciones Encuentro.
- Lobato, P. et al (1997): La industria farmacéutica en España tras la unificación del mercado europeo. Madrid. Farmaindustria.
- Sacristán, J.A. et al (1995): Farmacoeconomía: Evaluación económica de medicamentos. Editores Médicos S.A.
- Mankiw, N.G. (2003): Macroeconomics. Worth Publishers.
- Mcguire, P. et al (1991): Providing health care. Oxford University Press.
- Mooney, G. (1994): Key issues in health economics. Harvester Wheatsheaf.
- Phelps. C.E. (1997): Health economics. Addison-Wesley.
- Pinto, J.L. et al (2003): El análisis coste-beneficio en la salud. Elsevier.
- Puig-Junoy, J. (2002): Análisis económico de la financiación pública de medicamentos. Elsevier.

- Para cada tema por separado, será recomendada la bibliografía complementaria pertinente y que consistirá básicamente en artículos de las siguientes revistas especializadas: American Journal of Public Health, Gaceta Sanitaria, Gestión Clínica Sanitaria, Health Affairs, Health Care Financing Review, Health Services Research, Health Economics, Inquiry, Journal of

pharmaceutical finance economics and policy, Journal of Health Economics, Journal of Health Policy Politics and Law, Journal of Public Health Policy, Medical Care Research and Review, Lancet, Papeles de Economía Española, Pharmacoeconomics,