

POLI ESCOLA SUPERIOR SAÚDE TÉCNICO GUARDA	SUBJECT DESCRIPTION	MODELO PED.015.03
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Course	Pharmacy – 1 st cycle					
Subject	Pharmacoepidemiology and Public Health					
Academic year	2023-2024	Curricular year	3rd	Study period	1st semester	
Type of subject	Compulsory	Student workload (H)	Total: 94,5	Contact: T 22,5; TP:22,5; OT:7,5	ECTS	3,5
Professor(s)	Tânia Sofia Martins Martinho					
<input checked="" type="checkbox"/> Area/Group Coordinator <input type="checkbox"/> Head of Department		Maria de Fátima dos Santos Marques Roque				

COMPLETED SUBJECT DESCRIPTION

1. LEARNING OBJECTIVES

- O1. Understand the importance of public health in the context of health care;
- O2. Develop critical reflection in Public Health;
- O3. Interpret the concepts of health, disease, cause and causality criteria;
- O4. Identify the main risks in health in the community and promote educational activities for health tailored to the needs of individuals and community.
- O5. Acquire knowledge on solving health problems in epidemiological context;
- O6. Understand sampling methods and sample representativeness
- O7. Know association measures in epidemiology and pharmacoepidemiology
- O8. Calculate and interpret frequency measures of diseases, drugs use and exposure to risk factors.
- O9. Analyse and interpret epidemiological data on the prevalence of diseases and drug use.
- O10. Design of pharmacoepidemiology
- O11. Develop the ability to research and systematize information.

2. PROGRAMME

C1. Public Health

C1.1. Introduction to fundamental concepts in public health. Individual health and community health.

C1.2. World Health Organization's 2030 Plan for the prevention and control of non-communicable diseases.

C1.2. National Health Plan, control measures and disease prevention.

C1.3. Health education and health promotion. Health professional's intervention in health promotion and prevention of risk behaviors.

	SUBJECT DESCRIPTION	MODELO PED.015.03
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2. Epidemiology

- C2.1 General concepts in epidemiology.
- C2.2 Epidemiological indicators.
- C2.3 Classification of epidemiological studies.

3. MAIN BIBLIOGRAPHY

- Beaglehole R et al. (2003). Epidemiologia básica. Lisboa: Escola Nacional de Saúde Pública.
- Hernández-Agudo, A. Gil, M. Delgado, F. Bolúmar, F.G. Benavides, M. Porta, C. Álvarez-Dardet, J. Vioque, B. Lumbreras & Aguado, I. (2011). Manual de Epidemiología y Salud Pública. Madrid: Panamerica.
- Gordis, L (2011). Epidemiologia (4ª ed.). Loures: Lusodidacta.
- Medronho R; Bloch K V; Luiz R R; Werneck G L (eds.) (2009). Epidemiologia (2ª ed.). BR, São Paulo: Atheneu.
- ENCePP (2010). Guide on Methodological Standards in Pharmacoepidemiology. . EMA/95098/2010 Rev.
- Bonita R, Beaglehole R, Kjellstrom T (2006). Epidemiologia Básica (2ªed), Organização Mundial de Saúde.
- Brian L. Storm & Stephen E. Kimmel. Textbook of Pharmacoepidemiology, 2007, 1st Edition.
- Cabrita J. Farmacoepidemiologia e a Avaliação do Benefício / Risco do Medicamento. Lisbon International Press. Lisboa. 2020.
- Oliveira, A. G. (2009). Bioestatística, Epidemiologia e Investigação: Teoria e Aplicações. Lisboa: Lidel.

4. TEACHING METHODOLOGIES (INCLUDING EVALUATION)

The teaching methodologies are adapted to the different types of teaching foreseen for the CU, namely:

(i) theoretical teaching, with masterly presentation of content and its systematization in an integrated way, stimulating students for interaction and discussion of the topics covered. (ii) theoretical and

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practical teaching, with resolution of practical exercises and analysis of scientific papers and official documents from DGS, WHO, ECDC, EMA, FDA and ENCePP, related to the content presented in lectures, being privileged the interactive discussion with students and critical spirit in the interpretation and analysis of information, and, (iii) tutorial teaching, with guidance in research and critical analysis of updated information. The assessment consists of a written test (75%), assessment of a paper with oral presentation (15%) and continuous assessment of the work done (10%).

5. COHERENCE BETWEEN TEACHING METHODOLOGIES AND OBJECTIVES

The theoretical classes consist of the masterly exposition of the course contents, systematizing the most relevant and current aspects, using audiovisual media. These classes allow the achievement of objectives related to cognitive ability and knowledge (O1, O4; O5-O7). In the theoretical-practical classes interactive discussion with students, exercise solving and analysis of articles, reports and other official documents from international entities are privileged, which allows the achievement of objectives related to research skills, analysis and synthesis of information and argumentative capacity (O2, O3, O5, O6, O8-O11). In tutorial classes students are guided in the research, organization and systematization of information (O10-O11). As active learning activities, questions are posed to integrate the content presented, creating a space for debate and resolution of doubts. The recommended bibliography is complemented by suggestions for reading scientific articles adapted to each theme and program content. This approach allows the development of a scientific culture, developing current and scientific information search skills (O11).

6. ATTENDANCE

The Theoretical-practical (TP) contact hours were mandatory, and students were required to attend a minimum of 75% of the number of hours allotted to this type of classes.

7. CONTACTS AND OFFICE HOURS

Office 4A , tania.martinho@ipg.pt

Tuesday 3.30 p. m. to 5.30 p.m

Wednesday 10.30 a.m. to 12.30 p.m.

DATE

2 de outubro de 2023

SIGNATURES



<p>POLI</p> <p>ESCOLA SUPERIOR SAÚDE</p> <p>TÉCNICO GUARDA</p>	<p>SUBJECT DESCRIPTION</p>	<p>MODELO</p> <p>PED.015.03</p>
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