

<b>POLI</b> ESCOLA SUPERIOR SAÚDE <b>TÉCNICO</b> <b>GUARDA</b>	<b>SUBJECT DESCRIPTION</b>	<b>MODELO</b> PED.015.03
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Course	Pharmacy-1 <sup>st</sup> cycle					
Subject	Pharmaceutical Organization and Management					
Academic year	2023-2024	Curricular year	2nd	Study period	1st semester	
Type of subject	Compulsory	Student workload (H)	Total: 94,5	Contact: 45	ECTS	3,5
Professor(s)	Tânia Sofia Martins Martinho					
<input checked="" type="checkbox"/> Area/Group Coordinator <input type="checkbox"/> Head of Department	(select) Maria de Fátima dos Santos Marques Roque					

## COMPLETED SUBJECT DESCRIPTION

### 1. LEARNING OBJECTIVES

- O1. Understand the theory of organizations in the health systems framework;
- O2. Describe the legal framework of the medicine circuit;
- O3. Describe the legal framework of the activities in community pharmacy and hospital pharmacy;
- O4. Know the objectives of organization and management in pharmacy as a workplace;
- O5. Apply management rules to each of the phases of the drug circuit;
- O6. Know how to approach the complexity of human relations and communication in the work group;
- O7. Know some current business operations in a company;
- O8. Understand the principles and specificities of the health economics área;
- O9. Decode inequalities in access to health care;
- O10. Evaluate some principles and solve problems in pharmacoeconomics;
- O11. Develop the ability to research and systematize information.

With these objectives, it was intended that students develop skills in the area of organizational management of the pharmacy, namely:

- Identify the Pharmacy as a business,
- Acquire the ability to communicate as health professionals and the mastery of language and vocabulary specific to the area of health - pharmacy.
- Apply management rules to each of the stages of the drug circuit,
- Manage medicine stocks taking into account the rules of good pharmacy practices,
- Manage specific documentation of the integrated circuit of the medicine,
- Decode inequalities in access to health care,
- Evaluate some principles and solve problems in pharmacoeconomics.

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## 2. PROGRAMME

C1. Organizational theory: classical theory; Systemic theory

C2. Systemic health perspective

C3. Pharmaceutical legislation

C3.1. Regulation on medicines circuit

C3.2 Legal framework of pharmacies

C3.3. Regulation of hospital pharmacy

C4. Management in community pharmacy and hospital

C4.1. Economic management of drug inventory

C4.2. Human resources management

C4.3. Communication management (internal and external customer)

C5. General accounting principles and their application to pharmacy

C6. Health economics

C6.1. Specificity of the health care market

C6.2. Equity and inequality in health

C6.3. Economic evaluation of health

## 3. MAIN BIBLIOGRAPHY

- Afrania, Tulus, Mawengkang, H., & Wiryanto.. An Optimization Model for Hospitals Inventory Management in Pharmaceutical Supply Chain. Systematic Reviews in Pharmacy, 11(3), 324–332. (2019)
- Bonal, J.; Dominguez-Gil, A. – Farmácia Hospitalaria. 3ª edición, Editorial Médica Internacional, Madrid, 2000.
- Correia de Campos, A. – Avaliação económica de programas de saúde. In Cadernos de Saúde / 10. ENSP, Lisboa, 1986.
- Cashin, J.; Lerner, J “Contabilidade” – McGraw-Hill, Lisboa 2001
- Zgarrick D.P., & Alston G.L., & Moczygemba L.R., & Desselle S.P.(Eds.), Pharmacy Management: Essentials for All Practice Settings, 4e. McGraw-Hill. (2016).
- Yaroson, Emilia Vann. Pharmaceutical Supply Chains - Medicines Shortages. 2019.

## 4. TEACHING METHODOLOGIES (INCLUDING EVALUATION)

The teaching methodologies are adapted to the different types of teaching foreseen for the Curricular Unit, namely: (i) theoretical teaching, with masterly presentation of the contents and its systematization in an integrated way, stimulating students for interaction and discussion of the topics covered; (ii)

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theoretical-practical teaching, with guidance for group work in solving practical exercises related to the content presented in lectures, with emphasis on interactive discussion with students and critical spirit in the interpretation and analysis of information. The evaluation consists of a theoretical evaluation through a written test (70%), and theoretical-practical evaluation in the presentation and discussion of a work group with oral presentation (15%) and continuous assessment of the work done (15%). Each assessment has a minimum eight values.

## 5. COHERENCE BETWEEN TEACHING METHODOLOGIES AND OBJECTIVES

The theoretical classes consisted on the masterly exposition of the course contents, systematizing the most relevant and current aspects, using audiovisual media. These classes allowed the achievement of objectives related to cognitive ability and knowledge (O1-O4; O7, O8). Theoretical-practical classes focused on group work, interactive discussion with students, resolution of exercises from official documents of national and international entities, which allowed the achievement of objectives related to behavior and execution of management activities and team interaction (O5, O6, O9-O11).

As active learning activities, questions were asked to integrate the content presented, creating a space for debate and resolution of doubts. The recommended bibliography was complemented by suggestions for reading scientific articles adapted to each theme and program content. This approach allowed 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. Where necessary, alternative office hours have been made available for student workers.

## 7. CONTACTS AND OFFICE HOURS

Office 4A , [tania.martinho@ipg.pt](mailto: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

*John Reis*  
*Tania Martinho*

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