

MEDICAL UNIVESRITY – PLOVDIV
FACULTY OF PHARMACY
DEPARTMENT OF ORGANISATION AND ECONOMICS
OF PHARMACY

PROGRAM

in

HISTORY OF PHARMACY

Approved by the Department Council - Protocol № 01/09.01.2023

Confirmed by the Faculty Council - Protocol No 01/25.01.2023

**MEDICAL UNIVERSITY – PLOVDIV
FACULTY OF PHARMACY**

Syllabus

Discipline	Final exam/ semester	According to the Faculty of Pharmacy curriculum of MU-Plovdiv Academic hours				ECTS	Academic hours in semester	
		Aauditorium	Lectures	Practices	Non-auditorium		I semester	
							L	P
History of Pharmacy	I	20	20	-	30	2	20	-

DISCIPLINE:

History of Pharmacy

TYPE OF DISCIPLINE ACCORDING TO THE UNIFORM STATE REQUIREMENTS:

Optional

LEVEL OF QUALIFICATION:

Master (M)

FORMS OF TRAINING:

Lectures, practical classes (0)

YEAR OF TRAINING:

I course

DURATION OF TRAINING:

One semester

ACADEMIC HOURS:

20 teaching hours of lectures

TECHNICAL EQUIPMENT APPLIED IN THE TRAINING:

Multimedia presentations, discussions

FORMS OF EVALUATION:

No current control

EVALUATION CRITERIA:

Examination (written/oral) or writing of theses

ASPECTS OF EVALUATION CRITERIA:

Participation in discussions.

SEMESTER EXAM:

Yes (written and oral examination)

STATE EXAM:

No

LECTURER:

Habilitated lecturers from the Department of Organisation and Economics of Pharmacy

DEPARTMENT:

Department of Organisation and Economics of Pharmacy

ANNOTATION

The history of pharmacy, though it has a long independent retrospective period of development, is considered nowadays as a part of social pharmacy.

History of pharmacy is a science, studying the development of pharmaceutical knowledge and practice in close relation with human society, development of medicine, chemistry, biology, philosophy and economics, cultural history of nations of all ages and times. Therefore, it is one of the main theoretic disciplines in pharmacy, clarifying the evolution of medicine knowledge in connection with the changing economic conditions, professional role and problems of pharmacy.

MAIN TASKS OF THE CURRICULUM

This short introducing course aims to acquaint pharmacy students in general with the history, theory and practice of pharmacy as a socially significant field of public health.

EXPECTED RESULTS

Through this introductory course, the students are given the opportunity to inform themselves regarding the scope and trends of their future professional realisation as specialists in society, as well as about the educational institution and content of each subject included in their course of education.

LECTURES – THESES

Course I, semester I

№	TOPIC	HOURS
1.	INTRODUCTION TO THE HISTORY OF PHARMACY - nature and subject of the discipline; basic concepts and periodization. - methods, sources, tasks. - emblem of pharmacy. MEDICINE IN PRIMITIVE SOCIETY - early forms of religious beliefs: <ul style="list-style-type: none">• totemism• fetishism• animism• magic	2
2.	RELIGIOUS PERIOD MEDICINE KNOWLEDGE IN ANCIENT TIMES: - Ancient Egypt - Mesopotamia - Ancient China - Ancient India	2
3.	PHILOSOPHICAL PERIOD - Medicine in Ancient Greece - Medicine in Ancient Rome - Medicine in Byzantium	2
4.	MEDICINE KNOWLEDGE ON THE BULGARIAN LANDS BEFORE THE ESTABLISHMENT OF THE BULGARIAN STATE - Thracians - Slavs - Bulgarians	2
5.	EXPERIMENTAL PERIOD PHARMACY IN THE MIDDLE AGES - Medicine in the Arab caliphates - Pharmacology in Medieval Europe - Pharmacy in Medieval Bulgaria	2
6.	THE EUROPEAN PHARMACY IN THE NEW SOCIETY /XVIII-XIX/ - Representatives SCIENTIFIC PERIOD MODERN DEVELOPMENT OF PHARMACY - Industrial production of medicines – a brief historical overview /vitamins, hormones, sulfonamides, antibiotics, etc./	2
7.	PHARMACY IN BULGARIA DURING THE OTTOMAN SLAVERY AND THE BULGARIAN REVIVAL - The first pharmacy in Bulgaria - The first doctor - Representatives for the period	2

<p>8.</p>	<p>THE PHARMACY IN BULGARIA AFTER THE LIBERATION - Temporary rules for the structure of medical management in Bulgaria /1879/: <ul style="list-style-type: none"> • medical management • status of medical institutions • rules for the structure of pharmacies - Representatives - First Association of Pharmacists in Bulgaria /1884-1890/ - Bulgarian Pharmaceutical Society and Bulgarian Pharmaceutical Society "Galenus" /1890-1906/ - Attempts to establish a common Bulgarian Pharmaceutical Union/ 1906-1924/ PHARMACY IN BULGARIA AFTER THE SECOND WORLD WAR - first period - from 1944 until 1952 - second period from 1953 to 1968 - third period - from 1969 to 1989 - the fourth period from 1989 to the present</p>	<p>2</p>
<p>9.</p>	<p>THE PROFESSIONAL ASSOCIATIONS OF PHARMACISTS AND PHARMACISTS IN OUR COUNTRY AND THEIR ROLE FOR THE DEVELOPMENT OF PHARMACY - professional associations of pharmacists and pharmacists during the period 1922-1944 - Union of Pharmacists in Bulgaria /1926/ - Bulgarian Pharmaceutical Cooperative Society PHARMACEUTICAL SCIENTIFIC RESEARCH AND INDUSTRIAL PHARMACEUTICAL PRODUCTION IN BULGARIA - Establishment of the Scientific Society of Pharmacy and main stages in the development of scientific research - Internationalization of research on the development of new medicines - Clinical trials of new drugs - Characteristics of the pharmaceutical manufacturing in Bulgaria - Characteristics of the international and Bulgarian pharmaceutical market</p>	<p>2</p>
<p>10.</p>	<p>THE PHARMACEUTICAL PROFESSION – OPPORTUNITIES FOR PROFESSIONAL REALIZATION - periods of development of the profession - clinical pharmacy and pharmaceutical care - main differences in the goals and objectives of clinical pharmacy and pharmaceutical care practices - modern directions of realization - specializations in a certain field - pediatric pharmacy, orthopedic, etc. PHARMACEUTICAL EDUCATION IN BULGARIA - a brief historical overview - training and postgraduate training of specialists with higher pharmaceutical education</p>	<p>2</p>

BIBLIOGRAPHY

1. Dimitrova Zl., Georgiev St., Getov I., Stoimenova A., Ivanov K., Madzharov V., Staynova R., Ivanova St., Petkova-Georgieva E., Ognyanov S. History of pharmacy, a handbook for pharmacy students. Tea Design Ltd., Sofia, 2017. ISBN: 978-619-90647-4-0
2. Зл. Димитрова, Ст. Георгиев, К. Андреевска, В. Маджаров, Д. Грекова, Р. Кискинова, История на фармацията, Четвърто преработено издание, София, 2016, ТЕА Дизайн ЕООД, ISBN 978-954-91660-9-5
3. Апостолов, М., История на медицината и социалното дело, С, БАН, 1994
4. Боева, А., Проблеми на фармацията , 1982, 101 с.82
5. Бойдашев, Д. " Фармацевт" , 1909, 2
6. Бурмов, А., Известия на българското историческо дружество, кн.21, 1945, 123
7. Василев, В., " Фармацевт" , 1942, 9
8. Николчев, К., Материали за историята на аптечното дело в България, С., 1939
9. Павлова, В., История на медицината в България , С., 1980, Мед и физк.
10. Рул , Л., Живели някога хора, ИОМИТ ООД, 1996
11. Събев, П., " Фармацевт" , 1914, 8, 9
12. Скъпи ли са лекарствата , "Аптекарски преглед", 1939
13. "Славянин" 1884, бр.117
14. Тодоров, Н., " Фармацевт" 1930, 10
15. Търговия с аптекарски ученици, " Фармацевт" , 1928, 9
16. Устав на аптекарското общество , 1884
17. Устав на Българското аптекарско дружество , 1890
18. Устав на Българското аптекарско кооперативно дружество , 1912
19. Устав на Българското аптекарско дружество , 1920, Победа
20. Устав на Българското аптекарско дружество, 1926, Франклин
21. Устав на БАКД, 1939, София, изменение
22. Устав на Българското фармацевтическо дружество, 1902
23. Устав на Българското фармацевтическо кондиционерско дружество, 1922
24. Устав на Дружеството на българските дрогисти, 1919
25. Устав на аптекарите в България, 1926, Родопи
26. Устав на Съюза на аптекарите в България, 1932
27. "Фармацевт", 1906-1944
28. "Фармацевтически преглед", 1899-1900
29. "Фармацевтически преглед", 1932-1933, Габрово
30. Фармация за фармацевтите, "Дрогист", 1938, 4
31. Цел и програма, "Фармацевтически преглед", 1932, 1

CONSPECTUS

1. Pharmacognosy in pre-historic society
2. Pharmacognosy in Antiquity – Ancient Egypt
3. Pharmacognosy in Ancient Greece.
4. Pharmacognosy in Ancient Rome and Byzantium
5. Pharmacognosy in Bulgarian lands before the establishment of the Bulgarian kingdom
6. Pharmacy in the Middle Ages – pharmacognosy in Arab Caliphates
7. Pharmacy in the Middle Ages – pharmacognosy in Medieval Europe
8. Pharmacy in Medieval Bulgaria (7th – 14th century)
9. Pharmacy in Bulgaria during the Ottoman rule and Bulgarian Revival
10. Pharmacy in Bulgaria after Liberation
11. European pharmacy in the new society
12. Development of pharmacy field in Bulgaria between the two World Wars (1914 – 1945)
13. Development of pharmacy in Bulgaria after World War II
14. Modern development of pharmacy – industrial production of medicines – brief historical overview (vitamins, hormones, sulphonamides, antibiotics, etc.)
15. Professional associations of pharmacists in Bulgaria and their role for the development of pharmacy
16. Pharmaceutical education in Bulgaria – brief historical overview. Education and post-graduate education of specialists with higher and secondary pharmaceutical education
17. Modern development of pharmacy – contemporary concepts for the role of pharmacy in healthcare system – clinical pharmacy. Pharmaceutical care concept