



**INTEGRATED ACADEMIC  
PHARMACY STUDIES**

**FOURTH YEAR OF STUDY**

academic 2023/2024.

**SOCIAL PHARMACY**

Title of the course:

## **SOCIAL PHARMACY**

The course is evaluated with 5 ECTS credits.

It consists of 3 active teaching hours per week (2 hours of lectures and 1 hour of practical classes).

## TEACHERS AND ASSOCIATES:

	Name and surname	Email adpeca	Title
1.	Olivera Kostic*	olivera.Kostic@medf.kg.ac.rs	Associate professor
2.	Dusan Djuric	duca1duca@gmail.com	Full professor
3.	Marko Folic	markof@medf.kg.ac.rs	Full professor
4.	Srdjan Stefanovic	sstefanovic@medf.kg.ac.rs	Associate professor
5.	Tamara Nikolic Turnic	tamara.nikolic@medf.kg.ac.rs	Associate professor
6.	Milena Jurisevic	milena.jurisevic@medf.kg.ac.rs	Assistant professor
7.	Radisa Pavlovic	rpavlovic@medf.kg.ac.rs	Associate professor
8.	Aleksandra Stojanovic	vranicaleksandra90@gmail.com	Assistant professor
9.	Natasa Mijailovic	nacakg@gmail.com	Assistant (PhD)
10.	Marko Ravic	MarkoRavic@hotmail.com	Assistant
11.	Katarina Mihajlovic	Katarina.radonjic@medf.kg.ac.rs	Assistant (PhD)
12.	Katarina Djordjevic	kacka96kg@gmail.com	Assistant
13.	Bozidar Pindovic	pindovic.bozidar@gmail.com	Assistant trainee

\* Head of course (Course supervisor)

## COURSE STRUCTURE:

Module	Module name	Week	Lectures	Work in a small group	Teacher-supervisor module
1.	Social pharmacy	5	2	1	Olivera Kostic, Associate professor
2.	Public health. Ethics and patients' rights	5	2	1	Olivera Kostic, Associate professor
3.	Pharmaceutical legislation	5	2	1	Olivera Kostic, Associate professor
					$\Sigma 30+15=45$

## EVALUATION:

The student overcomes the course based on the points achieved in the pre-examination activities and the final exam. The score is equivalent to the number of gained points (table). Points are earned as follows:

**ACTIVITY DURING CLASSES:** The student can gain up to 30 points by taking 2 exam question from that week, answering and receiving 0-2 points in accordance with the demonstrated knowledge.

**FINAL EXAM:** The student can gain up to 70 points. The student answers 70 exam questions (written examination) (each question 0-1 point).

### **Final grade is formed as follows:**

In order to pass the course, student must gain a minimum of 51 points.

To pass the module, the student must achieve more than 50% of the maximal number of points for the module.

To pass the Final exam (written examination), the student must achieve more than 50% of the maximal number of points.

The final grade will be formed according to the following table:

<b>Grading System</b>		
<b>Grade</b>	<b>Total No of points</b>	<b>Description</b>
10	91-100	Excellent
9	81-90	Exceptionally good
8	71-80	Very good
7	61-70	Good
6	51-60	Passing
5	<51	Failing

**LITERATURE:**

<b>MODULE</b>	<b>Title</b>	<b>Authors</b>	<b>Publisher</b>	<b>LIBRARY</b>
Социјална фармација	Социјална медицина	Симић Снежана	Медицински факултет у Београду, 2012	Има
Социјална фармација	Социјална медицина: уџбеник за редовну и постдипломску наставу	Драгољуб Ђокић	Медицински факултет Крагујевац; 2007.	Има
Јавно здравље. Етика и права пацијената	Фармацеутска пракса	Тасић Љиљана	Фармацеутски факултет у Београду, 2018	Има
Јавно здравље. Етика и права пацијената	Галерија фармацеутских вештина	Милош Николин	Београд, 2006	Има
Фармацеутско законодавство	Фармацеутско законодавство и етика- практикум	Крајновић Душанка	Фармацеутски факултет у Београду, 2018	Има
Фармацеутско законодавство	Актуелни закони и подзаконска акта Републике Србије из области здравства (Закон о лековима и медицинским средствима, Закон о здравственој заштити, Закон о коморама здравствених радника, Закон о здравственом осигурању)	Влада Републике Србије	Службени гласник Републике Србије	/

## THE PROGRAM:

### MODULE ONE: SOCIAL PHARMACY

#### TEACHING UNIT 1 (FIRST WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Basic definitions and concepts of social pharmacy. Basic principles of pharmacy development throughout history.

Tasks and goals of social pharmacy. The role of the pharmacist in the modern concept of social and clinical pharmacy

#### TEACHING UNIT 2 (SECOND WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Evaluation of the challenges of social pharmacy and medicine in the modern age.

The position of the drug on the market.

#### TEACHING UNIT 3 (THIRD WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Health and the factors that profile it. The modern concept of health and the quality of life correlated with health.

Parameters for assessing the health status of the population.

#### TEACHING UNIT 4 (FOURTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Health care system, definition and basic regulations. Health insurance models. Health care of special populations. Law on Chambers and obtaining a license for independent work.

Introduction to the basic principles of the Law on Health Care and advertising of health institutions and services.

TEACHING UNIT 5 (FIFTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Health technology in the system of social pharmacy.

Pharmaceutical information system in pharmaceutical practice.

## SECOND MODULE: PUBLIC HEALTH. ETHICS AND PATIENTS' RIGHTS.

### TEACHING UNIT 6 (SIXTH WEEK):

Lectures: 2 hours	Practical classes: 1 hour
Public health concept. Promotion of health and its characteristics. Guide to good pharmacy practice.	Practical examples of health promotion and its values. Public health in pharmaceutical practice. Guidelines for Good pharmacy practice.

### TEACHING UNIT 7 (SEVENTH WEEK):

Lectures: 2 hours	Practical classes: 1 hour
Ethical principles in the pharmaceutical healthcare system.	Ethics and drug advertising.

### TEACHING UNIT 8 (EIGHTH WEEK):

Lectures: 2 hours	Practical classes: 1 hour
Pharmaceutical deontology - definition, characteristics and development throughout history.	Analysis of the code and presentation of the practical application of the same principles.

### TEACHING UNIT 9 (NINTH WEEK):

Lectures: 2 hours	Practical classes: 1 hour
The role of pharmacists in biomedical trials. International standards for the protection of study participants.	Practical interpretation of the structure of the form by which the Ethics Committees make a decision.



TEACHING UNIT 10 (TENTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

The right to health and the rights of patients in the health care system.

A practical presentation of patients' rights from practice.

## THIRD MODULE: PHARMACEUTICAL LEGISLATION

### TEACHING UNIT 11 (ELEVENTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Regulatory codes regarding drugs and medical devices in Serbia. Obtaining a drug license from the Agency for Medicines and Medical Devices of Serbia.

International conference for the harmonization of technical requirements for drug registration.

### TEACHING UNIT 12 (TWELFTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Regulatory codes for the registration of medical devices in the Register of medical devices. Marking of medical devices.

Classification of medical devices.

### TEACHING UNIT 13 (THIRTEENTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Regulatory codes regarding the withdrawal of drugs and medical devices from market.

Examples from the practice of withdrawing drugs and medical devices from market.

### TEACHING UNIT 14 (FOURTEENTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Regulatory codes in the field of medical waste.

Proper management of medical waste - an example from practice.

TEACHING UNIT 15 (FIFTEENTH WEEK):

Lectures: 2 hours

Practical classes: 1 hour

Basic principles of price formation of pharmaceutical products. Lists of medicines in the Republic of Serbia.

Tools of pharmacopolitics.

## ACHING SCHEDULE FOR THE COURSE SOCIAL PHARMACY

Module	Week	Type	The name of the method unit	Teacher
1	1	L	Basic definitions and concepts of social pharmacy. Basic principles of pharmacy development throughout history.	Aleksandra Stojanovic, <i>Lecturer</i>
		P	Tasks and goals of social pharmacy. The role of the pharmacist in the modern concept of social and clinical pharmacy.	Marko Ravic Bozidar Pindovic
	2	L	Evaluation of the challenges of social pharmacy and medicine in the modern age.	Dusan Djuric, <i>Lecturer</i>
		P	The position of the drug on the market.	Bozidar Pindovic Katarina Djordjevic
	3	L	Health and the factors that profile it. The modern concept of health and the quality of life correlated with health.	Radisa Pavlovic, <i>Lecturer</i>
		P	Parameters for assessing the health status of the population.	Natasa Mijailovic Bozidar Pindovic
	4	L	Health care system, definition and basic regulations. Health insurance models. Health care of special populations. Law on Chambers and obtaining a license for independent work.	Srdjan Stefanovic, <i>Lecturer</i>
		P	Introduction to the basic principles of the Law on Health Care and advertising of health institutions and services.	Marko Ravic Katarina Djordjevic
	5	L	Health technology in the system of social pharmacy.	Marko Folic, <i>Lecturer</i>
		P	Pharmaceutical information system in pharmaceutical practice.	Natasa Mijailovic Katarina Mihajlovic
2	6	L	Public health concept. Promotion of health and its characteristics. Guide to good pharmacy practice.	Dusan Djuric, <i>Lecturer</i>
		P	Practical examples of health promotion and its values. Public health in pharmaceutical practice. Guidelines for Good pharmacy practice.	Katarina Mihajlovic Natasa Mijailovic

## ACHING SCHEDULE FOR THE COURSE SOCIAL PHARMACY

Module	Week	Type	The name of the method unit	Teacher
2	7	L	Ethical principles in the pharmaceutical healthcare system.	Marko Folic, <i>Lecturer</i>
		P	Ethics and drug advertising.	Marko Ravic Bozidar Pindovic
	8	L	Pharmaceutical deontology - definition, characteristics and development throughout history.	Radisa Pavlovic, <i>Lecturer</i>
		P	Analysis of the code and presentation of the practical application of the same principles.	Katarina Mihajlovic Natasa Mijailovic
	9	L	The role of pharmacists in biomedical trials. International standards for the protection of study participants.	Srdjan Stefanovic, <i>Lecturer</i>
		P	Practical interpretation of the structure of the form by which the Ethics Committees make a decision.	Srdjan Stefanovic Katarina Djordjevic
	10	L	The right to health and the rights of patients in the health care system.	Dusan Djuric, <i>Lecturer</i>
		P	Practical presentation of patients' rights from practice.	Marko Ravic Katarina Djordjevic
3	11	L	Regulatory codes regarding drugs and medical devices in Serbia. Obtaining a drug license from the Agency for Medicines and Medical Devices of Serbia.	Srdjan Stefanovic, <i>Lecturer</i>
		P	International conference for the harmonization of technical requirements for drug registration.	Katarina Mihajlovic Bozidar Pindovic
	12	L	Regulatory codes for the registration of medical devices in the Register of medical devices. Marking of medical devices.	Aleksandra Stojanovic, <i>Lecturer</i>
		P	Classification of medical devices.	Marko Ravic Natasa Mijailovic
3	13	L	Regulatory codes regarding the withdrawal of drugs and medical devices from market.	Aleksandra Stojanovic, <i>Lecturer</i>

## ACHING SCHEDULE FOR THE COURSE SOCIAL PHARMACY

Module	Week	Type	The name of the method unit	Teacher
		<b>P</b>	Examples from the practice of withdrawing drugs and medical devices from market.	Katarina Djordjevic Katarina Mihajlovic
	14	<b>L</b>	Regulatory codes in the field of medical waste.	Dusan Djuric, <i>Lecturer</i>
		<b>P</b>	Proper management of medical waste - an example from practice.	Katarina Mihajlovic Natasa Mijailovic
	15	<b>L</b>	Basic principles of price formation of pharmaceutical products. Lists of medicines in the Republic of Serbia.	Radisa Pavlovic, <i>Lecturer</i>
		<b>P</b>	Tools of pharmacopolitics.	Katarina Djordjevic Natasa Mijailovic
		<b>E</b>	<b>EXAM</b>	

\*L- Lecture; P - Practical Class; E-Exam