



**INTEGRATED ACADEMIC  
PHARMACY STUDIES**

**THIRD YEAR OF STUDY**

academic 2025/2026.

**DISPENSING DRUGS IN PRACTICE**

Course:

## **DISPENSING DRUGS IN PRACTICE**

The course is evaluated with 5 ECTS credits. Classes of active teaching per week - 3 hours (2 hours of lectures and 1 hour of work in a small group).

## TEACHERS AND ASSOCIATES:

|     | Name and surname      | E-mail                           | Title               |
|-----|-----------------------|----------------------------------|---------------------|
| 1.  | Milena Jurisevic      | milena.jurisevic13@gmail.com     | Associate professor |
| 2.  | Olivera Kostic        | olivera.kostic@fmn.kg.ac.rs      | Associate professor |
| 3.  | Tamara Nikolic Turnic | tnikolict@gmail.com              | Associate professor |
| 4.  | Radisa Pavlovic       | rpavlovic@fmn.kg.ac.rs           | Associate professor |
| 5.  | Aleksandra Stojanovic | vranicaleksandra90@gmail.com     | Assistant professor |
| 6.  | Natasa Mijailovic     | nacakg@gmail.com                 | Assistant professor |
| 7.  | Katarina Mihajlovic   | katarina.mihajlovic@fmn.kg.ac.rs | Assistant professor |
| 8.  | Marko Ravic           | markoravic@hotmail.com           | Assistant           |
| 9.  | Katarina Djordjevic   | kacka96kg@gmail.com              | Assistant           |
| 10. | Bozidar Pindovic      | pindovic.bozidar@gmail.com       | Assistant           |
| 11. | Teodora Todorović     | teodoraanicic95@gmail.com        | Teaching associate  |

## COURSE STRUCTURE:

| Module | Module name  | Week | Lectures | Work in a small group | Teacher-supervisor module |
|--------|--|------|----------|-----------------------|---------------------------|
| 1      | Elements, as well as the basics of writing/interpreting prescriptions and requirements. Medication dispensing systems in a stationary healthcare facility. | 4    | 2        | 1                     | Milena Jurisevic          |
| 2      | Methodological, professional, and expert approach to dispensing antidiabetic, corticosteroid, antiasthmatic, statin, or antianginal medications.           | 6    | 2        | 1                     | Milena Jurisevic          |
| 3      | Methodological, professional, and expert approach to dispensing anticoagulant, antibiotic, antipsychotic, or antidepressant therapy.                       | 5    | 2        | 1                     | Milena Jurisevic          |

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## 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 (pre-exam activities): The student can acquire up to 30 points by answering 2 exam questions during each week's class, while working in a small group and, according to the demonstrated knowledge, receives 0-2 points. If at the end of the semester the student did not acquire more than 50% of the maximum amount of points (30), they are considered to not have passed the pre-exam activity.

| Module   | Module Name   | MAXIMUM POINTS          |
|----------|---|-------------------------|
|          |   | Activity during classes |
| 1.       | <b>Elements, as well as the fundamentals of writing/interpreting prescriptions and requirements.<br/>Medication dispensing systems in a stationary healthcare facility.<br/>Dispensing medications to disabled individuals.</b> | 8                       |
| 2.       | <b>Methodological, professional, and expert approach to dispensing antidiabetic, corticosteroid, antiasthmatic, statin, and antianginal medications.</b>  | 12                      |
| 3.       | <b>Methodological, professional, and expert approach to dispensing anticoagulant, antibiotic, antiulcer, antipsychotic, or antidepressant therapy.</b>  | 10                      |
| <b>Σ</b> |   | <b>30</b>               |

Final Exam: In this way, the student can acquire up to 70 points. The student takes a final exam consisting of 70 questions, testing their knowledge of all the material covered during the course. If the student does not answer more than 50% of the exam correctly, they are considered to not have passed the final exam.

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

In order for a student to pass the course, they must acquire a minimum of 51 points, pass the pre-exam activities in all modules, and pass the final exam (test).

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

| Number of points earned | Grade     |
|-------------------------|-----------|
| 0 - 50                  | <b>5</b>  |
| 51 - 60                 | <b>6</b>  |
| 61 - 70                 | <b>7</b>  |
| 71 - 80                 | <b>8</b>  |
| 81 - 90                 | <b>9</b>  |
| 91 - 100                | <b>10</b> |

## Literature:

| TEXTBOOK TITLE   | AUTHORS   | PUBLISHER  | LIBRARY |
|--|---|--|---------|
| Pharmacology and Toxicology.<br>Third Edition  | Janković SM (editor)  | Kragujevac: Medical Faculty, 2011.                                     | Yes     |
| Pharmacy Management<br>1st ed.   | Desselle S, Zgarrick D (editors)                                      | Appleton and Lange, 2007.  | Yes     |
| Non-Medical Prescribing in<br>Healthcare Practice: A Toolkit<br>for Students and Practitioners. 1st<br>ed. | Brookes D, Smith A.(editors)  | Palgrave Macmillan, 2006.  | Yes     |
| Handbook of Pharmacology and<br>Toxicology   | Janković SM (editor)  | Kragujevac: Faculty of Medical Sciences, 2021.                         | Yes     |
| Pharmacovigilance and Safe<br>Drug Use   | erzić B, Anđelković D, Meyboom R,<br>Stanulović M. (editors).         | Belgrade: Faculty of Pharmacy, 2006.                                   | Yes     |
| Medication Management in<br>Hospitals  | Janković SM.  | Kragujevac: Medical Faculty, 2006.                                     | Yes     |
| Pharmacotherapy Guide 6  | Ugrešić N (editor).   | Belgrade: Agency for Medicines and Medical<br>Devices of Serbia, 2016. | Yes     |
| The Clinical Use of Drugs (Koda<br>Kimble and Youngs Applied<br>Therapeutics) 10th Edition                 | Allredge B, Corelli R, Ernst M, Guglielmo<br>BJ, Jacobson P (Editors) | Wolters Kluwer Health, Lippincott Williams<br>&Wilkins, 2013           | /       |
| Applied Therapeutics: The<br>Clinical Use of Drugs   | Zeind C, Carvalho M   | Wolters Kluwer Health, 2018  | /       |
| Pharmacotherapy: A<br>Pathophysiologic Approach,<br>Eleventh Edition                                       | DiPiro J, Yee G, Posey M., Haines S, Nolin<br>T, Ellingrod V.         | McGraw Hill, 2020  | /       |

All lectures and necessary materials for work in small groups are available on the website of the Faculty of Medical Sciences: [www.medf.kg.ac.rs](http://www.medf.kg.ac.rs)

## THE PROGRAM:

### MODULE 1: ELEMENTS AS WELL AS THE BASICS OF WRITTING/INTERPERTING PRESCRIPTINS AND REQUISITIONS. MEDICATION DISPENSING SYSTEMS IN A STATIONARY HEALTHCARE FACILITY

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

| Lectures 2 hours             | Practical classes: 1 hour                               |
|------------------------------|---|
| Medication Dispensing Stages | Verification of identification data on the prescription |

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

| Lectures 2 hours  | Practical classes: 1 hour                            |
|---|--|
| Drug Dose Regimen.<br>Medication Dispensing Errors and Prevention | Prevention of medication errors: detection and audit |

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

| Lectures 2 hours  | Practical classes: 1 hour                     |
|---|---|
| Verbal and non-verbal communication skills in pharmacy practice | Communication Strategies in Pharmacy-examples |

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

| Lectures 2 hours   | Practical classes: 1 hour   |
|--|---|
| Drug distribution systems in hospital<br>Traditional medication dispensing system.<br>Unit dose dispensing system. | Automatic dispensing systems<br>Dispensing errors and safe medication storage systems |

### MODULE 2: METHODOLOGICAL, PROFESSIONAL, AND EXPERT APPROACH TO DISPENSING ANTIDIABETIC, CORTICOSTEROID, ANTI-ASTHMATIC, STATIN, OR ANTI-ANGINAL MEDICATIONS.

TEACHING UNIT 5 (FIFTH WEEK):

|   |  |
|---|--|
| Lectures 2 hours  | Practical classes: 1 hour  |
| Pharmacotherapy of the most common diseases of the ear, throat, and nose in primary healthcare. | Practical examples of dispensing medications to individuals with impaired hearing and/or vision. |

TEACHING UNIT 6 (SIXTH WEEK):

|  |                                   |
|--|-----------------------------------|
| Lectures 2 hours   | Practical classes: 1 hour         |
| Management of common forms of anemia nutrition and supplementation | Anemia Medication and Supplements |

TEACHING UNIT 7 (SEVENTH WEEK):

|  |   |
|--|---|
| Lectures 2 hours                                   | Practical classes: 1 hour   |
| Role of pharmacist in counseling Diabetes patients | Counseling practice of community pharmacists for diabetes mellitus patients |

TEACHING UNIT 8 (EIGHTH WEEK):

|   |   |
|---|---|
| Lectures 2 hours  | Practical classes: 1 hour                               |
| Role of pharmacist in patient counseling regarding the use of corticosteroids | Pharmacist's role in management of rheumatoid arthritis |

TEACHING UNIT 9 (NINTH WEEK):

|   |   |
|---|---|
| Lectures 2 hours                                  | Practical classes: 1 hour                                     |
| Role of pharmacists in asthma care and management | Role of community pharmacists in educating asthmatic patients |

TEACHING UNIT 10 (TENTH WEEK):

|   |  |
|---|--|
| Lectures 2 hours  | Practical classes: 1 hour              |
| The pharmacist's role in counseling patients with Angina Pectoris | Counseling patients on statin therapy. |

**MODULE 3: METHODOLOGICAL, PROFESSIONAL, AND EXPERT APPROACH IN DISPENSING ANTICAGULANT, ANTIBIOTIC, ANTIPSYCHOTIC, OR**

## ANTIDEPRESSANT THERAPY. DISPENSING MEDICATIONS TO HANDICAPPED INDIVIDUALS.

### TEACHING UNIT 11 (ELEVENTH WEEK):

| Lectures 2 hours                                       | Practical classes: 1 hour  |
|--|--|
| The role of the pharmacist in anticoagulant management | Drug-related problems associated with direct oral anticoagulants |

### TEACHING UNIT 12 (TWELVE WEEK):

| Lectures 2 hours               | Practical classes: 1 hour                     |
|--------------------------------|---|
| Adverse effects of antibiotics | Prophylactic antibiotic use- clinical problem |

### TEACHING UNIT 13 (THIRTEENTH WEEK):

| Lectures 2 hours  | Practical classes: 1 hour                           |
|---|---|
| Pharmacist's recommendation and dispense of medication in the management of gastrointestinal diseases | Clinical significance of prebiotics and probiotics. |

### TEACHING UNIT 14 (FOURTEENTH WEEK):

| Lectures 2 hours  | Practical classes: 1 hour   |
|---|---|
| Pharmacists' role in schizophrenia spectrum disorders and depression care | Adverse effects and contraindications of antipsychotic medications and antidepressants. |

### TEACHING UNIT 15 (FIFTEENTH WEEK):

| Lectures 2 hours   | Practical classes: 1 hour                                   |
|--|---|
| Pharmacotherapy of the most common genitourinary disorders | Dispensing medications and OTC products- practical examples |

# LECTURES AND PRACTICE

**MONDAY**

**PHARMACY PRACTICE  
ROOM 17 (R17)**

**08.00-12.00**

[Schedule of lectures, practical classes and tests – academic calendar](#)

## TEACHING SCHEDULE FOR THE COURSE DISPENSING DRUGS IN PRACTICE

| module | week | date | time | place | type | the name of the method unit  | teacher   |                                      |
|--------|------|------|------|-------|------|--|---|--------------------------------------|
| 1      | 1    |      |      |       | L    | Medication Dispensing Stages   | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Verification of identification data on the prescription  | Katarina Djordjevic   |                                      |
|        | 2    |      |      |       | L    | Drug Dose Regimen.<br>Medication Dispensing Errors and Prevention  | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Prevention of medication errors: detection and audit   | Katarina Djordjevic   |                                      |
|        | 3    |      |      |       | L    | Verbal and non-verbal communication skills in pharmacy practice  | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Communication strategies in pharmacy- examples   | Katarina Djordjevic   |                                      |
|        | 4    |      |      |       | L    | Drug distribution systems in hospital<br>Traditional medication dispensing system.<br>Unit dose dispensing system. | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Automatic dispensing systems<br>Dispensing errors and safe medication storage systems                              | Marko Ravic   |                                      |
|        | 5    |      |      |       | L    | Pharmacotherapy of the most common diseases of the ear, throat, and nose in primary healthcare.                    | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Practical examples of dispensing medications to individuals with impaired hearing and/or vision.                   | Marko Ravic   |                                      |
|        | 2    | 6    |      |       |      | L  | Management of common forms of anemia<br>nutrition and supplementation | Katarina Mihajlovic, <i>Lecturer</i> |
|        |      |      |      |       |      | P  | Anemia Medication and Supplements                                     | Marko Ravic                          |
| 7      |      |      |      |       | L    | Role of pharmacist in counseling Diabetes patients   | Milena Jurisevic, <i>Lecturer</i>                                     |                                      |
|        |      |      |      |       | P    | Counseling practice of community pharmacists for diabetes mellitus patients  | Marko Ravic   |                                      |
| 8      |      |      |      |       | L    | Role of pharmacist in patient counseling regarding the use of corticosteroids                                      | Natasa Mijailovic, <i>Lecturer</i>                                    |                                      |

## TEACHING SCHEDULE FOR THE COURSE DISPENSING DRUGS IN PRACTICE

| module | week | date | time | place | type | the name of the method unit   | teacher  |
|--------|------|------|------|-------|------|---|--|
|        | 9    |      |      |       | P    | Pharmacist's role in management of rheumatoid arthritis   | Bozidar Pindovic                                       |
|        |      |      |      |       | L    | Role of pharmacists in asthma care and management   | Natasa Mijailovic, <i>Lecturer</i>                     |
|        |      |      |      |       | P    | Role of community pharmacists in educating asthmatic patients   | Teodora Todorovic                                      |
|        | 10   |      |      |       | L    | The pharmacist's role in counseling patients with Angina Pectoris                                     | Radisa Pavlovic, <i>Lecturer</i>                       |
|        |      |      |      |       | P    | Counseling patients on statin therapy.  | Bozidar Pindovic                                       |
|        | 3    | 11   |      |       |      | L   | The role of the pharmacist in anticoagulant management |
|        |      |      |      |       | P    | Drug-related problems associated with direct oral anticoagulants                                      | Teodora Todorovic                                      |
| 12     |      |      |      |       | L    | Adverse effects of antibiotics  | Katarina Mihajlovic, <i>Lecturer</i>                   |
|        |      |      |      |       | P    | Prophylactic antibiotic use- clinical problem   | Bozidar Pindovic                                       |
| 13     |      |      |      |       | L    | Pharmacist's recommendation and dispense of medication in the management of gastrointestinal diseases | Aleksandra Stojanovic, <i>Lecturer</i>                 |
|        |      |      |      |       | P    | Clinical significance of prebiotics and probiotics.   | Bozidar Pindovic                                       |
| 14     |      |      |      |       | L    | Pharmacists' role in schizophrenia spectrum disorders and depression care                             | Tamara Nikolic Turnic, <i>Lecturer</i>                 |
|        |      |      |      |       | P    | Adverse effects and contraindications of antipsychotic medications and antidepressants.               | Teodora Todorovic                                      |
| 15     |      |      |      |       | L    | Pharmacotherapy of the most common genitourinary disorders  | Milena Jurisevic, <i>Lecturer</i>                      |
|        |      |      |      |       | P    | Dispensing medications and OTC products- practical examples   | Katarina Djordjevic                                    |

## TEACHING SCHEDULE FOR THE COURSE DISPENSING DRUGS IN PRACTICE

| <b>module</b> | <b>week</b> | <b>date</b> | <b>time</b> | <b>place</b> | <b>type</b> | <b>the name of the method unit</b> | <b>teacher</b> |
|---------------|-------------|-------------|-------------|--------------|-------------|------------------------------------|----------------|
|               |             |             |             |              |             | <b>FINAL EXAM</b>                  |                |