

2024/2025. ACADEMIC YEAR							
PROGRAM OF STUDY (FOR STUDENTS OF 5TH YEAR)							
<b>Full (Hun) name of the subject: Gyógyszerészi gondozás (elmélet+gyakorlat)</b>							
<b>Program: Undivided program (pharmaceutical)</b>							
<b>Schedule: full-time</b>							
<b>Short name of the subject:</b>							
<b>English name of the subject: Pharmaceutical Care (theory+practice)</b>							
<b>German name of the subject: Pharmazeutische Betreuung (Vorlesung+Praktikum)</b>							
<b>Type of registration: obligatory/obligatory elective/elective/criteria requirement</b>							
<b>Neptun code of the subject: GYKEGY096E1A</b>							
<b>Responsible Department: University Pharmacy</b>							
<b>Responsible tutor</b>				<b>Title, academic degree:</b>			
Dr. Ágnes Mészáros				associate professor, Ph.D., Dr. Habil.			
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<b>Name of the persons responsible for the teaching of the subject:</b>				<b>Title, academic degree:</b>			
Dr. Romána Zelkó				Professor, PhD, DSc			
Dr. Dénes Kleiner				PhD			
<b>Class per week:</b>				<b>Credit point(s):</b>			
2 lecture(s)				4			
3 practice(s)							
<b>Professional content, intent of acquirement and it's function in order to implement the goals of the program:</b>							
<p>The objective of the course is to provide an overview of the pharmacist's activities and services with a special focus on the community, on pharmaceutical care and medication therapy management, patient education.</p> <p>Its task is to provide knowledge on professional skills required in the pharmacy.</p>							
<b>Short description of the subject:</b>							
<p>The course wishes to discuss essential topics in relation to personalised, safe and effective medication therapy management (including drugs, herbal supplements as well as medical devices), lifestyle issues and travel medicine.</p> <p>It enables the student to apply the knowledge acquired in everyday practice.</p>							
<b>Course data</b>							
<b>Recommend ed term</b>	<b>Contact hours (lecture)</b>	<b>Contact hours (practice)</b>	<b>Contact hours (seminar)</b>	<b>Individual lectures</b>	<b>Total number of contact hours/semester</b>	<b>Normal course offer</b>	<b>Consult ations</b>
9 semester	20	30			50	Autumn semester* Spring semester Both semesters (* Please underline)	

**Program of semester\*\***

**Topics of theoretical classes (pro week):**

1. The Concept of Pharmaceutical care, patient safety-clinical check of prescriptions
2. Individual therapy with magistral preparation (compounding)
3. Management of side effects of cytotoxic drugs
4. Special drug forms in the elderly and in children
5. Inhalation therapy management, Asthma/COPD and Smoking cessation
6. Geriatrics and its relation to therapy management
7. Special aspects of medication in Pregnancy
8. LMWH and NOAC therapy management
9. Bandages and wound healing
10. Patients with disabilities (language, attitude ...) in the Pharmacy

**Topics of practical classes (pro week):**

1. Compliance, Adherence, Persistence
2. Patient education with prescription drugs, with the example of anti-hypertensive drugs
3. Management of diabetes and insulin therapy, use of insulin-pens, blood sugar measurers
4. Pharmaceutical care in relation to antibiotic therapy
5. Patient education in case of OTC drugs
6. Travel Medicine
7. Perioperative Medicine
8. New therapeutic challenges with cannabis
9. Hygiene and antiseptics
10. Safe medication management: presenting a case study

**Other subjects (both compulsory and optional) relating to the transversal issues of the subject. Possible overlaps between subjects:**

**Schedule of consultations:**

**Course requirements**

**Prerequisites:** Pharmacology and Toxicology III., Pharmaceutical Technology IV.

**Conditions of attending the classes, amount of acceptable absents, way of presentation of leave, opportunity for makeup:**

According to the university's Study and examination guide.

**The grading method; the conditions for getting the signature; the number, topic(s) and date(s) of the mid-term assessments, (reports, term tests), and the process in which they contribute to the final grade; and the possibility of their retake or their upgrading retake (as provided in §§ 25-28 of the STUDY AND EXAMINATION REGULATIONS):**

**Requirements of signature (as provided for in STUDY AND EXAMINATION REGULATIONS § 29):**

Attending 75% of the practices and completion of the case study

**Number and type of projects students have to perform independently during the semester and their deadlines:**

A presentation, as it is scheduled.

<p><b>Type of the semester-end examination:</b> signature*/practical grade*/ comprehensive examination*/final/end-term examination*</p> <p style="text-align: right;">* Please underline</p> <p><b>Examination requirements:</b> (list of topics, test examination topics, mandatory parameters, diagrams, concepts, list of calculations, practical skills, and project tasks recognised as examinations, criteria for completion and assessment):</p> <p>Completely accessible on the Moodle platform.</p>
<p><b>Form of the semester-end examination:</b> written*/oral*/combined examination/practical examination/the assessment of completing project work (according to STUDY AND EXAMINATION REGULATIONS 30.§)* (<i>Please underline</i>)</p>
<p><b>The possibility and conditions for offering grades:</b></p> <p>At least 80% of correct answers on questions related to the lectures enables the omission of "question A" at the semi-final oral exam.</p>
<p><b>A list of the basic notes, textbooks, resources and literature that can be used to acquire the knowledge necessary to master the curriculum and to complete the assessments, <del>***</del>with exact description about which of them is required to acquire which part of the syllabus (e.g. description based on topics)), as well as the main technical and other aids and study aids that can be used:</b></p> <p>Filipa Alves da Costa, J. W. Foppe van Mil, Aldo Alvarez-Risco:  The Pharmacist Guide to Implementing Pharmaceutical Care. Springer, 2019.  <a href="file:///C:/Users/zelko/Downloads/ibook.pub-the-pharmacist-guide-to-implementing-pharmaceutical-care.pdf">file:///C:/Users/zelko/Downloads/ibook.pub-the-pharmacist-guide-to-implementing-pharmaceutical-care.pdf</a></p>
<p><b>In the case of a subject lasting more than one semester, the position of the teaching/research department on the possibility of parallel enrolment and the conditions for admission****:</b></p> <p>yes*/no*/on and individual assessment basis* (<i>Please underline</i>)</p>
<p><b>The course description was prepared by:</b></p> <p>Dr. Mészáros Ágnes</p>

**\*\* A tantárgy tematikáját oly módon kell meghatározni, hogy az lehetővé tegye más intézményben a kreditismerési döntéshozatalt, tartalmazza a megszerzendő ismeretek, elsajátítandó alkalmazási (rész)kézszségek, (rész)kompetenciák és attitűdök leírását, reflektálva a szak képzési és kimeneti követelményeire.**