

1. COURSE DESCRIPTION – GENERAL INFORMATION			
1.1. Course teacher	-	1.6. Year of study	5 th
1.2. Name of the course	Pharmaceutical care	1.7. Credit value (ECTS)	5
1.3. Associate teachers		1.8. Type of instruction (number of hours L+E+S+e-learning)	30+0+30
1.4. Study programme (undergraduate, graduate, integrated)	Integrated study of pharmacy	1.9. Expected enrolment in the course	130
1.5. Status of the course	Compulsory	1.10. Level of use of e-learning (1, 2, 3 level), percentage of instruction in the course on line (20% maximum)	2 nd
2. COURSE DESCRIPTION			
2.1. Course objectives	<p>Developing key skills for provision of pharmaceutical care (counseling and informing patients about drug effects, ensuring the rational use of medicines, reporting of side effects, counseling on self-care, disease prevention and health preservation) by integrating knowledge of pharmaceutical sciences.</p> <p>Preparing student to work in pharmacy (professional training) with emphasis on key skills for provision of pharmaceutical care to patients, communication with other users of pharmaceutical services and other health professionals.</p>		
2.2. Enrolment requirements and required entry competences for the course	Enrolment requirements: passed examination in Pharmacology; Clinical Pharmacy with Pharmacotherapy course completed.		
2.3. Learning outcomes at the level of the study programme to which the course contributes	<ul style="list-style-type: none"> • Informing and advising patients on the effects and proper application of pharmaceuticals, as well as monitoring the treatment course and outcomes; • Recognise clinically significant interactions of pharmaceuticals and act with the aim of avoiding them; • Take an active role in disease prevention and health protection as well as in public health initiatives; • Plan and implement pharmaceutical care; • Demonstrate autonomy in organisation, coordination and management as well as in the development of strategies and business plans relevant to the profession; • Use information technology and databases for enhancing expert knowledge and skills and self-learning. 		
2.4. Expected learning outcomes at the level of the course (4-10)	After completing the course, student will be able to:		

learning outcomes)	<div>1. Analyse of pharmacotherapy, recognize medication errors and advice the patient on avoid them.</div> <div>2. Identify drug interactions and assess their clinical significance as well as avoid unintended consequences.</div> <div>3. Predict side effects, advice on avoid them or to better tolerate.</div> <div>4. Implement procedures for reporting side effects.</div> <div>5. Evaluate and choose the safest non-prescription medication for patients.</div> <div>6. Apply skills in disease prevention and health preservation.</div> <div>7. Advice on the proper use of medicines and implementation of non-pharmacological interventions for the preservation of health.</div>					
2.5. Course content broken down in detail by weekly class schedule (syllabus)	<div>LECTURES AND SEMINARS (WORKSHOPS):</div> <div><div>• Social and behavioral aspects of pharmaceutical care.</div><div>• Pharmaceutical care in cardiovascular diseases.</div><div>• Pharmaceutical care in diabetes.</div><div>• Pharmaceutical care in diabetes.</div><div>• Pharmaceutical care in pain.</div><div>• Pharmaceutical care in eating disorders.</div><div>• Pharmaceutical care in mental disorders and addictions.</div><div>• Pharmaceutical care for oncology patients.</div><div>• Pharmaceutical approach to rational phytotherapy.</div><div>• Role of the pharmacist in self-care.</div><div>• Interpretation of laboratory results.</div><div>• Reporting of side effects and pharmacovigilance.</div><div>• Documenting pharmaceutical care; organization and management of the pharmacy, and role of the quality system in the provision of pharmaceutical care.</div></div>					
2.6. Type of instruction	<div>lectures</div> <div>seminars and workshops</div> <div>exercises</div> <div>online in entirety</div> <div>mixed e-learning</div> <div>field work</div>		<div>independent study</div> <div>multimedia and the internet</div> <div>laboratory</div> <div>work with the mentor</div> <div>(other)</div>		2.7. Comments:	
2.8. Student responsibilities	Active participation in seminars and workshops.					
2.9. Screening of student's work (specify the proportion of ECTS credits for each activity so that the total number of CTS credits is	Class attendance	2	Research		Practical training	
	Experimental work		Report			
	Essay		Seminar essay	3	(Other--describe)	
	Tests		Oral exam		(Other—describe)	

equal to the credit value of the course)	Written exam		Project		(Other—describe)	
2.1. Grading and evaluation of student work over the course of instruction and at a final exam	Evaluation is a part of the final professional examination after a period of professional training for pharmacists.					
2.2. Required literature (available at the library and via other media)	Title					
	Lectures and other materials (professional and scientific papers) relating to pharmaceutical care					
2.12. Optional literature	<p>Q Helms, G Herfindal: Textbook of Therapeutics (Drug and Disease Management); 8th edition; LWW, Philadelphia, USA 2008.</p> <p>RR Berardi, SP Ferreri: Handbook of Nonprescription Drugs: An Interacactive Approach to self-care; 16th eddition; American Pharmacists Association, Washington, USA 2009.</p> <p>RJ Cipolle, LM Strand, PC Morley: Pharmaceutical Care Practice. 2nd edition, McGraw-Hill, London 2004.</p>					
2.13. Methods of monitoring quality that ensure acquisition of exit competences	Learning outcomes are validated during the final exam.					