

Course description

Part 1

General information about the course		
1. Major of study: Pharmacy		2. Study level: long -cycle master's studies
		3. Form of study: full-time
4. Year: IV		5. Semester: VII
6. Course name: Diagnostic Aspects of Pharmaceutical Care		
7. Course status: obligatory		
8. Course contents and assigned study effects		
<p>Preparing students for the accomplishment of pharmaceutical care in a community pharmacy, by discussing the progress of medical and pharmaceutical sciences in the field of diagnostics of civilization diseases, pregnancy diagnostics, differences in childhood and old age, in the context of the analysis of objective and subjective data obtained from patients and discussing the problem of the influence of drugs on the results laboratory tests to enable the recognition and elimination of potential or real drug problems.</p> <p>Learning effects/ reference to the learning effects included in the standards</p> <p>in range of knowledge, the student knows and understands: A.W4., A.W5., A.W6., A.W11., A.W13., B.W4., E.W8., E.W9., E.W9. ,E.W10., E.W16., E.W17.</p> <p>in range of skills student is able to: A.U3., A.U4., A.U5., E.U6., E.U12., E.U14.</p> <p>in range of social competences, the student is ready to: relations with the patient and colleagues based on mutual trust and respect, keepeng the secret of the health state, patient's rights and rules of professional ethics, formulating conclusions from own measurements or observations</p>		
9. Number of hours for the course:		30
10. Number of ECTS points for the course:		2
11. Ways of verification and assessment of learning effects		
Learn effects	Ways of verification	Ways of assessment
In range of knowledge	Test paper Final grade – selection test	*
In range of skills	Report Observation Practical exam	*
In range of competences	Observation	*
<p>* it is assumed that the rating means on the level:</p> <p>Very good (5,0) - the assumed learning effects have been achieved and significantly exceed the required level</p> <p>Good plus (4,5) - the assumed learning effects have been achieved and slightly exceed the required level</p> <p>Good (4,0) – the assumed learning effects have been achieved on the required level</p> <p>Satisfactory plus (3,5) – the assumed learning effects have been achieved on the average required level</p> <p>Satisfactory (3,0) - the assumed learning effects have been achieved at the minimum required level</p> <p>Unsatisfactory (2,0) – the assumed learning effects not have been achieved</p>		

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Community Pharmacy Faculty of Pharmaceutical Sciences in Sosnowiec Medical University of Silesia in Katowice farmacja_apteczna@sum.edu.pl		
13. Name and surname of the person responsible for the completion of the course: professor Paweł Olczyk; e-mail: polczyk@sum.edu.pl		
14. Prerequisites for knowledge, skills and other competences: Knowledge of: the structure and functioning of individual tissues, systems and organs; basic physicochemical phenomena and their implications for selected biochemical processes; disease diagnosis; term dose of the drug, methods of administration, therapeutic index, target sites of action of the active substance, interaction between the active substance and the receptor, drug effects, side effects of drug		
15. Number of students in the group	In accordance with the resolution of the Senate of SUM	
16. Materials for the classes	Exercise book, instructions for rapid diagnostic tests and diagnostic devices, white coat	
17. Place of the classes	Department of Community Pharmacy, Faculty of Pharmaceutical Sciences in Sosnowiec , Kasztanowa 3, 41-209 Sosnowiec	
18. Place and time of consultation	Department of Community Pharmacy, Faculty of Pharmaceutical Sciences in Sosnowiec, Kasztanowa 3, 41-209 Sosnowiec, the hour of consultation is determined on the first exercises	
19. Learn effects		
Learning outcome number	Subject learning outcomes	Reference to learning outcomes included in standards
P_W01	Anatomical structure of the human organism and basic relations between the structure and function of the organism in conditions of health and disease.	A.W4.
P_W02	Mechanisms of the functioning of the human organism at the molecular, cellular, tissue and systemic level.	A.W5.
P_W03	Basics of pathophysiology of cells and systems of the human body.	A.W6.
P_W04	The main metabolic pathways and their interdependencies, mechanisms of metabolic regulation and the influence of drugs on these processes.	A.W11.

P_W05	Principles of immunological diagnostics and principles and methods of immunoprophylaxis and immunotherapy.	A.W13.
P_W06	Biophysical basis of diagnostic and therapeutic techniques.	B.W4.
P_W07	The idea of Pharmaceutical Care and concepts related to pharmaceutical care, in particular relating to problems and needs related to the use of drugs.	E.W8.
P_W08	Principles of monitoring the effectiveness and safety of a patient's pharmacotherapy in the process of Pharmaceutical Care.	E.W9.
P_W09	Principles of individualization of pharmacotherapy counting differences in drug effects caused by physiological factors in disease states under clinical conditions	E.W10.
P_W10	The problem of addiction to drugs and other substances and the role of a pharmacist in combating addiction	E.W16.
P_W11	The rules for the use of the drug depending on the form of the drug, as well as the type of packaging and dosing system.	E.W17.
P_U01	Use anatomical denominations to describe health condition.	A.U3.
P_U02	Describe the mechanisms of the functioning of the human body at the molecular, cellular, tissue and systemic levels.	A.U4.
P_U03	Describe the mechanisms of development of functional disorders and interpret the pathophysiological basis of the disease development.	A.U5.
P_U04	Use biochemical knowledge to evaluate physiological and pathological processes.	E.U6.
P_U05	Identify microorganisms on the basis of morphological features, and physiological and breeding properties.	E.U12.
P_U06	Test and evaluate the activity of antimicrobials	E.U14.
20. Forms and topics of classes		Number of hours
21.1. Talks		15h
Diagnostic aspects of pharmaceutical care - glucose metabolism disorders.		2h
Diagnostic aspects of pharmaceutical care - metabolic syndrome.		2h
Alcohol dependence diagnosis.		1h
Diagnostic aspects of pharmaceutical care - selected thyroid disorders.		2h
Diagnostic aspects of pharmaceutical care - selected renal dysfunction.		2h
Diagnostic aspects of pharmaceutical care - hypersensitivity (allergies).		2h
Diagnostic aspects of pharmaceutical care - osteoporosis.		2h
Diagnostic aspects of pharmaceutical care in selected diseases of the gastrointestinal tract.		2h
22.2. Seminar		0h
23.3. Practice		15h
Diagnostic aspects of pharmaceutical care in pregnant women.		2h
Diagnostic aspects of pharmaceutical care in menopause and andropause.		2h
Diagnostic aspects of pharmaceutical care in people with metabolic diseases.		2h
Diagnostic aspects of pharmaceutical care in people with hypertension.		2h
Diagnostic aspects of pharmaceutical care in people with asthma and allergies.		2h
Diagnostic aspects of pharmaceutical care in people with peptic ulcer disease.		2h
Diagnostic aspects of pharmaceutical care in addictions.		2h
Final grade – practical exam.		1h
24. Detail evaluation criteria		
In accordance with the recommendations of the inspection bodies		
Completion of the course – student has achieved the assumed learning outcomes		

Detail criteria for completion and evaluation of the course are specified in the course regulations