

Course description

Part 1

General information about the course		
1. Major of study: medicine	2. Study level: unified MSc	
	3. Form of study: intramural	
4. Year: VI	5. Semester: XI-XII	
6. Course name: Pulmonology electives		
7. Course status: required		
8. Course contents and assigned learning outcomes		
Learning outcomes / reference to learning outcomes indicated in the standards For knowledge – student knows and understands: For skills student can do For social competencies student is ready to		
9. Number of hours for the course		110
10. Number of ECTS points for the course <i>*for the whole block of internal medicine elective</i>		5
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Written evaluation – open questions Grade credit – MCQ	<i>(Multiple Choice Questions, MCQ), (Multiple Response Questions, MRQ),</i>
Skills	Report Observation Practical exam	<i>Objective Structured Clinical Examination, OSCE</i>
Competencies	Observation	<i>Objective Structured Clinical Examination, OSCE</i>

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Pulmonology		
13. Name of the course coordinator: Prof. PhD Adam Barczyk, PhD Małgorzata Farnik, PhD Marzena Trzaska-Sobczak pneumo@sum.edu.pl tel. 32/20 88 591		
14. Prerequisites for knowledge, skills and other competencies: knowledge of the anatomy and physiology of the respiratory system knowledge of pathophysiology of basic respiratory diseases ability to conduct a subjective examination ability to carry out a physical examination Basic knowledge of lung diseases – asthma, COPD, pneumonia, interstitial lung diseases		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	Blackboard, multimedia projektor, Copies of results eg spirometry, blood gases, participation in bronchoscopy, pleurocentesis, spirometry, 6MWT, presentation and discussion about the real patients	
17. Location of classes	Klinika Pneumonologii ul. Ziołowa 45-47 Katowice Ochojec	
18. Location and time for contact hours	Every working day 10am-12am Sekretariat Kliniki Pneumonologii Pneumology Department Office ul. Ziołowa 45-47 Katowice Ochojec	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
E.W1.	knows environmental conditions and epidemiology of respiratory diseases	
E.W3.	acute and chronic diseases of the upper and lower respiratory tract, defects congenital respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, edema vasomotor	

E.W7.	respiratory diseases, including respiratory airways diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, respiratory tract infections, interstitial lung diseases, pleural, mediastinal, obstructive and central sleep apnea, respiratory failure (acute and chronic), respiratory system cancers,	
E.U1.	conduct an interview with an adult patient	
E.U3.	perform a full and targeted physical examination of an adult patient	
E.U7.	assess the general condition, the state of consciousness and awareness of the patient	
E.U16.	plan diagnostic, therapeutic and preventive measures	
E.U20.	qualify the patient for home and hospital treatment	
E.U24.	interpret laboratory results and identify the reasons for deviations from standards	
E.U29.	perform basic medical procedures and procedures including: - measurement of body temperature (superficial and deep), heart rate measurement, non-invasive blood pressure measurement	

	<ul style="list-style-type: none"> -monitoring vital signs with the help of a cardiomonitor, pulse oximetry, - spirometry, oxygen treatment, assisted and replacement ventilation, - introduction of the oropharyngeal tube, - intravenous, intramuscular and subcutaneous injections, peripheral vein cannulation, peripheral venous blood collection, culture blood collection, blood collection arterial, arterialized capillary blood collection, - taking swabs from the nose, throat and skin, 	
E.U30.	<p>Assist in carrying out the following medical procedures and procedures:</p> <ol style="list-style-type: none"> 1) transfusions of blood and blood products, 2) drainage of the pleural cavity 3) fine needle lung biopsy 	
E.U38.	keep patient's medical records.	
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20. Forms and topics of classes		Number of hours
21.1. Lectures		0
Lung cancer diagnosis and treatment		
Asthma diagnosis and treatment current guidelines GINA 2019		
COPD current guidelines 2019		
Pneumonia and other infectious airway diseases		
Interstitial lung diseases diagnostic approach		
23.3. Labs		30
interpretation of additional tests useful in diagnostic procedures		5
differential diagnosis of respiratory diseases		5

make plans for diagnostic, therapeutic and prophylactic procedures	5
abruptly pulmonology	3
conducts a medical interview with the patient	3
the principles of mechanisms responsible for the development of ventilation disorders in obstructive pulmonary diseases	3
full and targeted physical examination in respiratory diseases	3
Practical usu actual guidelines regarding ILD, asthma COPD Pneumonia in clinical practice	3
24. Readings	
Clinical Medicine Kumar\$Clark's GOLD Statement actual eg 2019 Gina Guidelines actual eg 2019	
25. Detail evaluation criteria	
<p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations</p>	