



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2017/2018

General Information

Module title	Infectious diseases
Module type	<i>Obligatory</i>
Faculty	<i>Faculty of Medicine</i>
Field of study	<i>Medicine</i>
Major	<i>Not applicable</i>
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	<i>Year IV, sem. VII, VIII (in blocks)</i>
ECTS credits (incl. semester breakdown)	5
Type/s of training	<i>seminars (10h)/practical (50 h)</i>
Form of assessment	<p>- <i>graded assessment:</i> *</p> <ul style="list-style-type: none"> <input type="checkbox"/> <i>descriptive</i> <input type="checkbox"/> <i>test</i> <input type="checkbox"/> <i>practical</i> <input type="checkbox"/> <i>oral</i> <p><input type="checkbox"/> <i>non-graded assessment</i> *</p> <p>- <i>final examination:</i> *</p> <ul style="list-style-type: none"> <input type="checkbox"/> <i>descriptive</i> <i>X test</i> <input type="checkbox"/> <i>practical</i> <i>X oral (retake)</i>
Head of the Department/ Clinic, Unit	<p>Prof. Marta Wawrzynowicz-Syczewska, MD, PhD</p> <p>Department of Infectious Diseases, Hepatology and Liver Transplantation</p>
Tutor responsible for the module	Prof. Marta Wawrzynowicz-Syczewska
Department's/ Clinic's/ Unit's website	<p>1/Department of Infectious Diseases, Tropical and Immune Deficiency</p> <p>Szczecin, Arkonska 4 str., building J</p> <p>Tel.+48 91 8139441, fax +48 91 431 65 96</p>

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Language	English

*replace ☐ with X where applicable

Detailed information

Module objectives		<ol style="list-style-type: none"> 1. Practical guide to the diagnosis and treatment of common infectious diseases. 2. Principles of the epidemiology of common infectious diseases. 3. Basic information on communicable diseases which can be brought from tropics. 4. Emerging and re-emerging diseases with a special emphasis on emerging multi-drug resistant pathogens. 5. Prophylaxis of infectious diseases with a special emphasis on post-exposure (occupational) prophylaxis. 6. Bioterrorism. 7. Infectious hepatology
Prerequisite /essential requirements	Knowledge	<ol style="list-style-type: none"> 1. Basic anatomy and physiology. 2. Basic pathology and pathophysiology. 3. Microbiology and antimicrobials. 4. Laboratory techniques (ELISA, Western blotting, PCR, sequencing, etc.)
	Skills	Takes a history from the adult patient, carries out complete and guided physical examination of the adult patient, evaluates general state, state of consciousness

		and awareness, evaluates and describes somatic and mental state of a patient	
	Competences	Works in a team, has a habit of self-studying, respects colleagues, doctors and patients	
Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards) ZEK	Method of verification of learning outcomes *
W01	Knows the epidemiology of transmission of diseases by viruses, bacteria, fungi, and parasites and geographic areas of their outcomes	K_E.W1	Continuous assessment during classes, test at the end of the module
W02	Knows guidelines for vaccinations in pediatric population	K_E.W2	Continuous assessment during classes, test at the end of the module
W03	Knows and understands causes, symptoms, diagnosis and therapeutic and prophylactic procedures with regard to most frequent infectious diseases in children	K_E.W3	Continuous assessment during classes, test at the end of the module
W04	Knows and understands causes, symptoms, diagnosis and therapeutic and prophylactic procedures with regard to most frequent bacterial, viral, parasitic diseases and mycoses, including viral hepatitis, AIDS, sepsis and hospital-acquired infections	K_E.W32	Continuous assessment during classes, test at the end of the module
W04	Knows and understands principles of microbiological and parasitological diagnostics		Continuous assessment during classes, test at the end of the module
W05	Knows basic symptoms, environmental conditions and the epidemiology of the most common skin infections	K_E.33	Continuous assessment during classes, test at the end of the module
W06	Knows and understands the epidemiology, symptoms and the diagnostic principles of the most frequent sexually transmitted diseases	K_E.W34	Continuous assessment during classes, test at the end of the module
W07	Knows the examples of the biological material and the diagnostic principles of the most common infectious diseases	K_E.W37	Continuous assessment during classes, test at the end of the module
U01	Takes a medical history from the adult patient with an emphasis on the epidemiological data	K_E.U1	Continuous assessment during classes
U02	Carries out the full physical examination	K_E.U3	Continuous assessment during classes

U03	Plans diagnosis and treatment in case of exposure to blood-borne infections	K_E.U26	Continuous practical skills assessment during classes,
U05	Takes swabs for bacteriological tests	K_E.28	Continuous practical skills assessment during classes
U04	Qualifies patients for vaccinations	K_E.U27	Continuous practical skills assessment during classes
U06	Is able to perform basic medical procedures such as catheterization, life parameters assessment with the monitor, blood pressure assessment, etc.	K_E.U29	Continuous practical skills assessment during classes
U07	Assists teachers during some invasive procedures such as lumbar puncture, pleural cavity puncture, paracentesis, intubation, blood and blood products transfusion, etc.	K_E.U30	Continuous practical skills assessment during classes
U08	Is able to interpret pharmaceutical products characteristics, especially concerning antibiotics, antifungals and antivirals	K_E.U31	Continuous practical skills assessment during classes
U09	Is able to plan specialist consultations	K_E.U32	Continuous practical skills assessment during classes
U10	Can propose a treatment of food intoxication and some other intoxications	K_E.U33	Continuous practical skills assessment during classes
U11	Can diagnose agony and patient's death	K_E.U37	Continuous practical skills assessment during classes
U12	Is able to manage medical records and patient's medical files	K_E.U38	Continuous practical skills assessment during classes
K01	Accepts ethical standard requirements	K_K01	student's active participation and attitude assessment
K02	Understands and accepts patient's rights	K_K11	student's active participation and attitude assessment
K03	Can keep medical secret	K_K14	student's active participation and attitude assessment
K04	Can work in a team	K_K04	student's active participation and attitude assessment
K05	Has a self-education habit	K_K03	Continuous assessment during classes, test examination at the end of

			the block						
Table presenting learning outcomes of the subject/module in relation to the form of classes									
No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes	Clinical classes	Case report...	Other...
1.	Knows the environmental and genetic conditions as well a epidemiology of the most common IDs		X		X	X			
2.	Knows regulations for vaccinations		X		X				
3.	Knows and understands causes, symptoms, diagnosis and therapeutic and prophylactic procedures with regard to the most frequent infectious diseases in children		X		X	X			
4.	Knows and understands causes, symptoms, diagnosis and therapeutic and prophylactic procedures with regard to most frequent bacterial, viral, parasitic diseases and mycoses, including viral hepatitis, AIDS, sepsis and hospital-acquired infections		X		X	X			
5.	Knows and understands principles of microbiological and parasitological diagnostics		X		X				
6.	Knows and understands the epidemiology, symptoms and the diagnostic principles of the most frequent sexually transmitted diseases		X		X	X			
7.	Knows the examples of the biological material and the diagnostic principles of the most common infectious diseases		X		X				
8.	Takes a history from the adult patient				X	X			

9.	Carries out the full physical examination				X	X			
10.	Plans diagnosis and treatment in case of exposure to blood-borne infections		X		X	X			
11.	Is able to order vaccinations according to the obligatory vaccinations schedule				X				
12.	Is able to get swabs for bacteriological tests				X				
13.	Is able to perform basic medical procedures such as catheterization, life parameters assessment with the monitor, blood pressure assessment, etc.				X				
14.	Assists teachers during some invasive procedures such as lumbar puncture, pleural cavity puncture, paracentesis, intubation, blood and blood products transfusion, etc.				X				
15.	Interpretes pharmaceutical products characteristics, especially concerning antibiotics, antifungals and antivirals				X				
16.	Plans various specialist consultations				X				
17.	Can propose a treatment of food intoxication and some other intoxications				X				
18.	Can diagnose agony and patient's death				X				
19.	Is able to manage medical records and patient's medical files				X	X			
20.	Accepts ethical standard requirements		X		X	X			
21.	Understands and accepts patient's rights				X	X			
22.	Can keep medical secret				X	X			
23.	Can work in a team				X	X			
24.	Has a self-education habit		X		X	X			
Module (subject) contents no.	Description of teaching programme	No. of hours			References to learning outcomes				
TK.....01	Lectures:	-			-				

4th year			
TK01- TK10	Seminars: 1/Principles of the epidemiology of ID. Bioterrorism. 2/Prophylaxis of ID. Post-exposure prophylaxis. 3/Acute hepatitis 4/Chronic hepatitis 5/Epidemiology and clinics of HIV/AIDS 6/Treatment of HIV/AIDS 7/Parasitic infections of the temperate climate 8/Tropical infections 9/Neuroinfections 10/Sepsis, septic shock. Tick-borne diseases.	10 (1 h each)	W01, W02, W03, W04, W05, W06, U01, U02, U03, U04, U05, U06, U07, K01, K02, K03, K04, K05
4 th year			
	Practical classes: 1/Taking a medical history with the specific emphasis on the epidemiological data 2/ Differential diagnosis of leucocytosis, lymphocytosis, eosinophilia. 3/Fever of unknown origin - differentiation 4/Assessment of the clinical status of the patient with neuroinfection 5/Assessment of the patient with jaundice and/or abnormal liver function tests 6/Clinical assessment of the patient with vomiting/diarrhea – when to hospitalize, when to give antibiotics, risk of complications.	50	W01, W02, W03, W04, W05, W06, W07, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, K01, K02, K03, K04, K05

	7/Suspicion of ID brought from tropics – assessment of the febrile patient and a patient with diarrhea 8/ Assessment of a patient with skin eruptions 9/Assessment of a HIV(+) patient: counseling before and after testing, medical and epidemiological history, clinical examination, interpretation of the common laboratory abnormalities, AIDS-defining comorbidities; social support 10/ Practical antibiotic therapy – counseling in the admission room and in the outpatient department (when, which antibiotic, how long, dosing).		
	...		
Booklist			
Obligatory literature:			
1. Southwick F. Infectious diseases: a clinical short course. Second edition 2008. The McGraw Hill Companies, USA.			
2. Infectious diseases. In: Harrison's Principles of Internal Medicine, 19 th Edition Textbook, Vol.2 [edited by] D.L.Kasper, A.S.Fauci, S.L.Hauser, D.L. Longo, J.L.Jameson, J. Loscalzo, McGraw Hill Education.			
Supplementary literature:			
1. Hauser AR. Antibiotic Basics for Clinicians. Choosing the Right Antibacterial Agent. Lippincott Williams & Wilkins, Philadelphia 2007, USA.			
2. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. [edited by] J.E.Bennett, R Dolin & M.J. Blaser, 8 th edition, Elsevier.			
Student's workload (balance sheet of ECTS credits)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Average
Contact hours with the tutor	55		

Time spent on preparation to seminars/ practical classes	10		
Time spent on reading recommended literature	20		
Time spent on writing a case report	5		
Time spent on preparing to final colloquium	20		
Time spent on preparing to exam	30		
Other			
Student's workload in total	140		
ECTS credits for the subject (in total)	8		
Remarks			

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...