

Information sheet for the course Epidemiology of Infectious Diseases

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: EICH/e	Course unit title: Epidemiology of Infectious Diseases
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Seminars: 2 hours weekly/26 hours per semester of study; full-time</i> <i>Supervised practice output: 2 hours weekly/26 hours per semester of study; full-time</i>	
Number of credits: 3	
Recommended semester: <i>6th semester in the 3rd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: none	
Assessment methods: The student will acquire 100 points per semester <ul style="list-style-type: none"> - writing an essay on the designated topic writing (25 points) - oral examination (75 points) Score: 100 – 90 points – A 89 – 80 points – B 79 – 70 points – C 69 – 60 points – D 59 – 50 points – E 49 and fewer points - FX	
Learning outcomes of the course unit: <i>Students:</i> <ol style="list-style-type: none"> 1. acquires knowledge of the most important infectious diseases, they will get acquainted with the methods of distribution, can formulate preventive and repressive measures for specific diseases, provide basic skills to work in the outbreak. 2. will become familiar with the techniques surveillance of selected diseases in different groups infections 	
Course contents: Lectures: <ol style="list-style-type: none"> 1. Division of Infectious Diseases 2. Gastrointestinal infections I 3. Gastrointestinal infections II 4. Respiratory tract infections I 5. Respiratory tract infections II 6. Bloodstream infections 7. Skin and Superficial mucous infections 8. <i>Sexually transmitted infection</i> 9. <i>Infectious disease transmitted by blood and other potentially infectious materials</i> 10. <i>Fungus infections of the skin and its appendages</i> 11. Emergency infections, bioterrorism 12. Solution of model situations 13. Presentation of seminar work 	

Seminars:

1. Outbreak, leaf epidemiological investigations, epidemiological investigations on the outbreak, the requirements epidemiological history.
2. Practical exercise in the EPIS program
3. Investigation of an outbreak of human salmonellosis
4. Investigation of an outbreak of meningococcal meningitis - repressive measures
5. Investigation of epidemic viral diarrhea- repressive measures
6. Investigation of an outbreak of invasive pneumococcal disease - repressive measures
7. Investigation of an outbreak of hepatitis A virus - repressive measures
8. Epidemiological investigation of injuries in healthcare workers with blood contaminated object
9. Practical training in the processing of weekly reports of influenza and influenza-like illness
10. Severe acute respiratory infection (SARI) case processing, data processing program EPIS
11. Preparation of reports for general practitioners, best practices for communicating with the public during an outbreak
12. Surveillance of infectious diseases - the processing of an outbreak of acute flaccid paralysis
13. Modeling exercise performance in pediatric vaccination control, control of the cold chain during storage of vaccines in the ambulance, visual inspection of the quality of the vaccine, batch control, accuracy of registration vaccination in medical chart.

Recommended of required reading:

1. GÖPFERTO VÁ, D., PAZDIORA P., DÁŇOVÁ J. 2006. Epidemiologie (obecná a speciální epidemiologie infekčních nemocí). UK Praha, Karolinum, 2006, s. 299. ISBN 80-246-1232-1.
2. BAKOSS, P., a kol. 2005. Epidemiológia, Učebnica pre lekárske fakulty, LFUK, Bratislava, 2005, s.486, ISBN 80-223-1989-9
3. BAKOSS, P., a kol. 2011. Epidemiológia- 3. vydanie, Učebnica pre lekárske fakulty, LFUK, Bratislava, 2011, s.520, ISBN 978-80-223-2929-3.
4. BAZOVSKÁ, S. a kol. 2007. Špeciálna epidemiológia. Univerzita Komenského Bratislava, 2007, s.340. ISBN 978-80-223-2301-7.
5. MÁDEROVÁ, E. a kol. 2005. Epidemiológia I, učebné texty, Slovenská zdravotnícka univerzita, Fakulta verejného zdravotníctva, 2005
6. MÁDEROVÁ, E. a kol. 2005. Epidemiológia II, učebné texty, Slovenská zdravotnícka univerzita, Fakulta verejného zdravotníctva, 2005.

Language: Slovak**Remarks:****Evaluation history:** *Number of evaluated students*

A	B	C	D	E	FX

Lectures:

doc. MUDr. Mária Štefkovičová, PhD., MPH ., doc. MUDr. R. Maďar, PhD.

Last modification: 22.04.2015**Supervisor:** doc. MUDr. Mária Štefkovičová, PhD., MPH.