Information sheet for the course Examination methods in Microbiology I.

University: Alexander Dubček University of Trenčín Faculty: Faculty of Health Care	
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and te	eaching methods:
Lecture: 2 hours weekly/26 hours per semester of study; full-time	
Number of credits: 3	
Recommended semester: 3^{rd} semester in the 2^{nd} year (part-time)	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: none	
Assessment methods:	
Written or oral examination (50 score points)- for obtaining the particular grades it is necessary	
to achieve:	
at least 45 score points for the grade A	
at least 40 score points for the grade B	
at least 35 score points for the grade C	
at least 30 score points for the grade D	
at least 25 score points for the grade E	
Learning outcomes of the course unit:	nformation on laboratory investigation methods in
microbiology and specifics of their applic principles of diagnostic methods are exp the samples in the different stages of management of the laboratory work.	cations in healthcare. In addition to the methodological lained to students the principles of proper handling of the diagnostic process and the principles of quality
practice of handling for the collection and	
2. Principles of Good Laboratory Practice	
3. Sterilization and disinfection - definition of terms	
4. Physical and chemical methods of sterilization and disinfection5. Microscopic techniques - principles and applications.	
	edure for microscopy, using immersion oil, counting
 Diagnostic staining: principles, preparation and processing of the specimen. The cultivation of microorganisms - a basic overview. 	
9. The types of culture media of bacteria, their composition and use.	
10. Determination of susceptibility for antimicrobial agents.	
11. Biochemical tests.	
12. The principles of quality management	in laboratory work
Recommended of required reading:	
1. VOTAVA, M.: 2005. Lékařská mikrobiologie obecná, Neptun, Brno, 2005, ISBN 9788086850009, 351 p.	
 VOTAVA, M.: 2003. Lékařská mikrobiologie speciální, Neptun, Brno, 2003, ISBN 9788090289666, 945 p. 	
3. BEDNÁŘ, M., FRAŇKOVÁ, V., SCHINDLER, J., SOUČEK, A., VÁVRA ,J.: 1996.	

Lékařská mikrobiologie, Triton, Praha, 1996, ISBN 80-2380-297-6, 560 p.

4. ŠTEFANOVIČ, J. 2008. Lexikon lekárskej bakteriológie, Slovenská lekárska komora, Bratislava, 2008; 78 p.

Language: Slovak

Remarks:

Evaluation history: Number of evaluated students: -

 A
 B
 C
 D
 E
 FX

 Lectures: RNDr. Vladimír Meluš, PhD., MPH
 Last modification: 22.4.2014
 E
 E
 E

Supervisor: Doc. MUDr. Jana Slobodníková, CSc.