

## Information sheet for the course Microbiology II.

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of Health Care</i>					
<b>Course unit code:</b> Mik2/d			<b>Course unit title:</b> Microbiology II.		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i>					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> <i>2<sup>nd</sup> semester in the 1<sup>st</sup> year (full-time)</i>					
<b>Degree of study:</b> <i>I (bachelor)</i>					
<b>Course prerequisites:</b> Microbiology I.					
<b>Assessment methods:</b> 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					
<b>Learning outcomes of the course unit:</b> Student will acquire by studying course "Microbiology II." basic overview of the application of knowledge of general microbiology in medical disciplines with a focus on continuity of care and epidemiology.					
<b>Course contents:</b> 1. The natural microflora of the human body. 2. Summary of the development of resistance to antibiotics and antivirals. 3. Nosocomial infections - Causes, Prevention. 4. Sterilization, disinfection. 5. Collection and transport of biological material for microbiological examination. 6. Microscopic diagnostic techniques. 7. Biochemical diagnostic tests. 8. Cultivation techniques. 9. Molecular-biological analysis. 10. Serological methods in pathogen testing 11. The sensitivity and specificity of the tests and their application in public health. 12. Application of microbiological methods in epidemiology and hygiene. 13. Trends in the further development of microbiology.					
<b>Recommended of required reading:</b> 1. BETINA, V. – NEMEC, P. 1977. <i>Všeobecná mikrobiológia</i> . 1977; 2. BEDNÁŘ, M. - FRAŇKOVÁ, V. - SCHINDLER, J. - A. SOUČEK, A. – VÁVRA, J. <i>LÉKAŘSKÁ MIKROBIOLOGIE</i> . 1996.; 3. VOTAVA J. 2000. <i>Obecná lékařská mikrobiologie</i> . 2000.					
<b>Language:</b> Slovak					
<b>Remarks:</b>					
<b>Evaluation history:</b> <i>Number of evaluated students:</i> -					
A	B	C	D	E	FX

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<b>Lectures:</b> RNDr. Vladimír Meluš, PhD., MPH					
<b>Last modification:</b> 22.04.2015					
<b>Supervisor:</b> doc. MUDr. Mária Štefkovičová, PhD., MPH.					