

Name of university, Name of faculty: Trnava University
Faculty of Health Care and Social Work

INFORMATION SHEET OF THE SUBJECT

Code: OsBc15		Name: Microbiology and epidemiology				
Cover: Department of Nursing						
Type of educational activity: Seminar Scope of educational activity (in hours): Weekly: 2 For term of study: ZS 46 Method of educational activity:				Number of credits: 2	Recommended semester: WT	
					Study grade: 1. PO	
Recommended semester	Study programme					
1.year WT	Nursing (D1-OŠET-22) Nursing (D1-OŠET-22-K) Nursing (E1-OŠE-25)					
Underlie subjects:						
Conditions for passing the course:						
Method of evaluation: Completion by taking an examination						
Continuous evaluation:						
Final evaluation: Written exam grade: A: 100-95%, B: 94-89%, C: 88-83%, D: 82-77%, E: 76-71%, Fx: 70% or less. Finished: Written (regular term) and oral final examination (first and second resit/retake term) (90% of total assessment) Preparation and presentation of seminar paper (10% of total assessment)						
Learning outcomes:						
Learning outcomes: After completing the subject, the student will be able to navigate: - in the taxonomy and classification of microorganisms, as well as in the differences in their structure, transmission, diagnosis and therapy - in basic terms used in epidemiology He will also know: - basic methods of diagnosis and prevention of the spread of microorganisms in the community and in medical facilities						
Schedule of subject:						
1. Introduction to microbiology and epidemiology 2. Overview and classification of microorganisms 3. Viruses, prions 4. Bacteria 5. Mushrooms 6. Parasites 7. Basics of diagnostics of microorganisms 8. Basics of anti-infection therapy, decontamination and immunization 9. Resistance to anti-infective agents, Biofilm 10. Basics of hygiene/disinfection, sterilization, hand hygiene, control of the hygienic-epidemiological regime 11. Nosocomial and professional infections 12. Basics of epidemiology - incidence and spread of infectious diseases, current epidemiological situation (including the COVID-19 pandemic)						
Recommended reading:						
1. Mikrobiologie, imunologie, epidemiologie, hygiena pro bakalářské studium a všechny typy zdravotnických škol, Lidmila Hamplová, VYDAVATELSTVO Triton, 2015 2. Mikrobiologie Pro studenty zdravotnických oborů, 2., doplněné a přepracované vydání, Jiří Schindler, VYDAVATELSTVO, Grada, 2015 3. Helena Šrámová a kol. Nozokomiální nákazy II. Maxdorf, Praha, 2013, ISBN: 97880734528654. 4. Mária Štefkovičová a kol. Dezinfekcia a sterilizácia, teória a prax II., Vrana, Žilina, 2007, ISBN – 978-80-968248-3-0: http://dezinfekcia.info/dezinfekcia-a-sterilizacia-ii/ 5. Marek Bednář a kol. Lékařská mikrobiologie. Marvil 1996, Praha, ISBN - 10: 80-2380-297-6						
Language requirements: Slovak						
Notes:						
100% attendance required. In case of absence above 20%, the teacher may decide not to admit the student to the final assessment.						
Course evaluation:						
Assessed students in total: 333						
A	B	C	D	E	FX	
11%	11%	11%	15%	31%	21%	
Lecturers:						
MUDr. Aurel Dobiaš, PhD., examiner, seminary supervisor doc. MVDr. Alžbeta Kaiglová, PhD., examiner, seminary supervisor RNDr. Mgr. Jaroslava Sokolová, PhD., MPH, univ.doc., examiner, seminary supervisor						

Date of last change: 01.09.2026
Approved by: doc. PhDr. Andrea Botíková, PhD., MPH, univ. prof.