General Information			
Course name and	General microbiology and	ECTS Credits	5
coue	ÚBEV/MKV/15	Semester	1st (Winter)
			Bachelor Degree
Aims			
microorganisms, their cytology, physiology, genetics, ecology, classification, and importance. Information on basic methods for studying microorganisms will be provided.			
VLA			
Contents			
microorganisms, systematics, physiology, genetics, and metabolis of microorganisms. Methods for microorganismss study. Basic techniques in microbiology laboratory. Bacteriology, cytology, morphology, and reproduction of bacteria. Eukaryotic microorganisms, micromycetes. Microorganisms and environment, water, soil, and air microbiology. Natural cycles of elements: Symbiotic relationships between micro- and macroorganisms. Important microbial diseaes. Regulation of growth of microorganisms, antibiotics. Applied microbiology. Basis of virology, classification and architecture of viruses. Interactions between viruses and host cells. Plant and animal viruses, bacteriophages, sub- viral agens: viroids, prions.			
Assessment Methods and Criteria			
Attendance of practicals (at least 90%), 2 written examinations during semester, final oral examination. Grading Scale (in %): A 100 - 91%, B 90 - 81%, C 80 - 71%, D 70 - 61%, E 60 - 51%, Fx < 51% Grading System: The University recognises the following six degrees for the evaluation of the study results: a) A – excellent (excellent results) (numerical value 1) b) B – very good (above average results) (1.5) c) C – good (average results) (2) d) D – satisfactory (acceptable results) (2.5) e) E – sufficient (results meet the minimum criteria) (3) f) FX –failed (requires further work) (4)			
Bibliography			
 Madigan, MT, et al. Brock's Biology of Microorganisms. Prentice Hall College Div; 1996 Prescott, LM, et al. Microbiology. Wm. C. Brown Publishers, 1996 Pepper, LI et al., Environmental Microbiology (Second Edition). Elsevier, 2009 			