

Title:	<i>General microbiology</i>
Lecture hours:	15
Study period:	Winter or summer
Number of credits:	3
Assessment methods:	Practical exam of used laboratory techniques
Language of instruction:	English
Prerequisites:	Knowledge of microbiology at a high-school level
Course content:	Training involves gaining basic knowledge about microbial cells and morphology of their selected types. A part of the course will concern bacterial culture methods and estimation of the numbers of colony forming units. Students will also learn about the methods of microbiological monitoring of the sanitary conditions of natural environment and participate in the assessment of antibiotic resistance of selected bacterial strains.
Learning outcomes:	Students will acquire theoretical basis in microbiology. They will learn the most important techniques used in microbiological laboratories, such as cultivating bacteria and making bacterial preparations. Participants will also gain experience in working in a scientific team.
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Literature:	<ol style="list-style-type: none"> 1. Surinder Kumar. (2012). <i>Textbook of Microbiology</i>. Jaypee Brothers Medical Publishers 2. http://www.eucast.org