

1.	<b>Course name: Microbial growth and control (blended learning)</b>
2.	University department: Faculty of Biological Sciences, Institute of Genetics and Microbiology, Department of Microbiology
3.	Course type: <b>lecture (10h), seminar (10h)</b>
4.	Degree: <b>bachelor</b>
5.	Semester: <b>winter</b>
6.	Number of hours: <b>20</b>
7.	Name, Surname, academic title: <b>Bożena Futoma-Kołoch, PhD</b> (bozena.futoma-koloch@uwr.edu.pl)
8.	Course description/Content: Bacterial cell division. Determinants of cell morphology. Growth of bacterial populations and physical and chemical factors affecting microbial growth. Measurements of cell numbers and microbial mass: microscopic counts, viable cell counting, turbidity measurements.
9.	Recommended literature: Microbiological examination methods of food and water. Neusely da Silva et al. CRC Press (selected chapters) Laboratory protocols in Applied Life Sciences. Prakash S. Bisen. CRC Press. 2014 (selected chapters) Brock Biology of Microorganisms. 13th Edition. Pearson Benjamin Cummings (selected chapters) Scientific publications relevant to the topics
10.	Form of credit: Lectures on e-learning platform: written test on-line Seminars: project method work, evaluation of the student's activity
11.	Language: English
12.	Number of ECTS: <b>2</b>