

FACULTY:	Department of Mechanical Engineering
FIELD OF STUDY:	Food Technology and Human Nutrition
ERASMUS COORDINATOR OF THE FACULTY:	Małgorzata Smuga-Kogut, PhD
E-MAIL ADDRESS OF THE COORDINATOR:	malgorzata.smuga-kogut@tu.koszalin.pl
COURSE TITLE:	Biotechnology
LECTURER'S NAME:	Małgorzata Smuga-Kogut, PhD
E-MAIL ADDRESS OF THE LECTURER:	malgorzata.smuga-kogut@tu.koszalin.pl
ECTS POINTS FOR THE COURSE:	5
ACADEMIC YEAR:	2020/2021
SEMESTER: (W – winter, S – summer)	S
HOURS IN SEMESTER:	30+30
LEVEL OF THE COURSE: (1 st cycle, 2 nd cycle, 3 rd cycle)	1 st cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	lecture, laboratory
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	written exam or oral exam
COURSE CONTENT:	<ul style="list-style-type: none"> • The most important aspects of biotechnology in a historical context and perspective. • Economic, social and environmental problems, ethics problems in biotechnology. • Sections of biotechnology, basics of biotechnology processes. • Bacterial cultures and fungal starters in the food industry , food ProBiotics. • Biotechnology methods of obtaining food cultures in vitro. • Haploid and hybrid forms used in food biotechnology. • Modern methods of biotechnology DNA. • Transgenic food using biotechnology techniques. • Biotechnological food analysis by PCR methods. • The methods of biotechnology utilization of waste fats , biofuels.
ADDITIONAL INFORMATION:	-

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