

COURSE DESCRIPTION (SYLLABUS)

1.	Course: Ethics in Biotechnology
2.	Language of instruction: English
3.	Faculty: Faculty of Biotechnology
4.	Course/module code: 29-BT-S2-E4-EB
5.	Course/module type (<i>mandatory or elective</i>): mandatory
6.	Programme: Medical Biotechnology
7.	Study cycle: 2nd cycle
8.	Year: 2nd
9.	Semester (<i>autumn or spring</i>): spring
10.	Form of tuition and number of hours: lecture: 15 h
11.	Name, Surname, academic title Małgorzata CEBRAT, PhD
12.	Initial requirements (knowledge, skills, social competences) regarding the course/module and its completion: • knowledge of genetics , molecular biology and biotechnology
13.	Objectives: Biotechnology as a rapidly evolving discipline of science and technology enables us to do many things that human beings have never been able to do before; including those that may have profound influence on ourselves, future generations, non-human animals and the environment. The progress made in biotechnology raises therefore new ethical issues, concerning decisions what we (as individuals and the society) should and shouldn't do, allow and/or fund. The course is designed to provide knowledge on the main ethical and social issues that are generated by biotechnology and help to foresee and understand issues that might arise in the future.
14.	Content: Introduction to ethics and most important ethical theories. Therapeutic and reproductive cloning.

	Genetic diagnostics. Eugenics. Access to bio-information. Animal rights. Genetically modified food.	
1.	Learning outcomes: After completing this course the student will: <ul style="list-style-type: none"> • understand the key issues common to ethics and biotechnology, biomedicine, genetics and molecular biology; • come to considered positions on various bioethical issues, understand arguments for and against those positions; • correctly identify and resolve dilemmas and adhere to ethical principles of the profession of biotechnology. 	Outcome symbols: K_W03, K_U07, K_K04
2.	Recommended literature: <ul style="list-style-type: none"> • Ben Mepham „Bioethics: An Introduction for the Biosciences” • Marianne Talbot “Bioethics: An Introduction” 	
3.	Methods of verification of the assumed learning outcomes: <ul style="list-style-type: none"> • individual or group oral presentation 	
4.	Conditions of earning credits : <ul style="list-style-type: none"> • continuous monitoring of attendance and control of the knowledge of the syllabus; • active participation in the classes: discussion, presentation of problems and cases; • individual or group oral presentation. 	
5.	Student’s workload:	
	Activity	Number of hours for the activity
	Hours of instruction (as stipulated in study programme) : <ul style="list-style-type: none"> • lecture: 15 h 	15 h
	Student’s own work: <ul style="list-style-type: none"> • preparation for classes • reading literature • preparing of the oral final presentation 	15 h
	Total number of hours	30 h
	Number of ECTS	2 ECTS