COURSE DESCRIPTION (SYLLABUS)

1.	Course:
	Bioethics
2.	Language of instruction:
	English
3.	Faculty:
	Faculty of Biotechnology
4.	Course/module code:
	29-BT-S1-E5-ETeng
5.	Course/module type (mandatory or elective):
	mandatory
6.	Programme:
	Biotechnology
7.	Study cycle (1st/2nd):
	1 st cycle
8	Year:
0.	3rd
٥	Semester (autumn or spring):
5.	autumn
	Form of tuition and number of hours:
	Lecture: 15 h
	Learning methods:
10.	Attendance at lectures (listening and assimilation of knowledge), commitment (ability to ask questions to the leader), activity (preparation for the lecture according to recommended issues and sources), ability to work in a team (ability to participate in the discussion), independence in the implementation of the tasks entrusted to them (preparation of a report), observance of ethical principles (independence, non- plagiarism, scientific honesty).
11.	Coordinator(s):
	Agata Wnukiewicz-Kozłowska, PhD
12.	Initial requirements (knowledge, skills, social competences):
	Basic knowledge of new biological, biotechnological and biomedical technologies, ability to think and reason logically and analytically, ability to formulate questions and opinions, ability to participate in scientific discussion.
13.	Objectives:
	 Learning basic knowledge of bioethics as a science and selected detailed issues of applying ethics in biological, biotechnological and biomedical sciences.

	• Acquiring the ability to analyze bioethical problems and evaluate attitudes distinguishing between appropriate and inappropriate behaviors (consistent with or contradictory to ethical standards).				
	• Recognizing and understanding the principles of conducting research in the field of biological, biotechnological and biomedical sciences.				
	Content:				
14.	The concept, characteristics and methods of bioethics - 2 hours;				
	 Doctor-patient relationship (from paternalism to autonomy, limits of autonomy, right to information, informed consent, medical confidentiality, communication, medical experiments and clinical trials) - 4 hours; 				
	 Status of the human body and its parts (limits of interference, prohibition of commercialization, transplantation) - 2 hours; 				
	 Genetics and new technologies (genetic engineering: clinical genetics, gene therapies, human cloning, genetic modification of organisms) - 3 hours; 				
	5. Ethics of scientific research in biomedicine and biotechnology (researcher's ethics, principles of conducting scientific research with human participation, ethics and pharmaceutical industry, animal experiments) - 4 hours.				
	Learning outcomes:	Outcome symbols:			
	Student:				
	 has knowledge of the basics of bioethics as a figure of science; 				
	 acquires knowledge in the field of contempora bioethical challenges, such as: medically assiste procreation, euthanasia, medical experiments and clinical research, genetic engineering and in effects; 	ry ad :s			
15.	 knows the tools offered by bioethics in the assessment of specific cases and in the context the researcher's behavioral acceptability; 	of K1_W09, K1_W10,,K1_U04, K1_U08, K1_U09, K1_U11, K1_U12_K1_U13_K1_K01			
	 is able to identify correct and erroneous ethica attitudes; 	K1_K02, K1_K03, K1_K04			
	 is able to justify ethical choices; 				
	 knows and understands the social dimension o bioethical issues; 	F			
	 identifies and understands the mechanisms of assessment of researchers' and society's behav towards bioethical challenges; 	ior			
	 is able to cooperate in a group and react to ethically incorrect behavior of researchers and biotechnologists. 				

16.	Recommended literature:		
	Basic literature:		
	 Beauchamp T. and Childress J., <u>Principles of Biomedical Ethics</u>, 7th Edition. Oxford. 2013; 		
	• Engelhardt, H. Tristram: <u>The Foundations of Bioethics</u> , second edition, Oxford. 1996.		
	Additional literature:		
	• Kuhse H., Singer P., <u>Bioethics. An Anthology</u> , 2 nd edition, Blackwell 2006.		
	Legal sources:		
	• Nuremberg Code;		
	Helsinki Declaration;		
	Universal Declaration on Human Rights and Bioethics (UNESCO).		
	Methods of verification of the assumed learning outcomes:		
17.	Participation in discussion, role-playing, working in problem subgroups, solving expert tasks, critical analysis.		
	Conditions of earning credits:		
18.	Preparation of a written report summarizing the tasks performed during the classes according to the scheme prepared by the teacher.		
	Student's workload:		
19.	Activity	Number of hours for the activity	
	Hours of instruction (as stipulated in study programme):	15 h	
	 Student's own work: reading of the indicated literature; preparing a written report on the tasks assigned to and carried out during the classes and in one's own time. 	15 h	
	Total number of hours:	30 h	
	Number of ECTS:	1 ECTS	