

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 (<i>mandatory or elective</i>): mandatory
6.	Programme: Medical Biotechnology
7.	Study cycle (<i>1st/2nd</i>): 1st cycle
8.	Year: 3rd
9.	Semester (<i>autumn or spring</i>): autumn
10.	Form of tuition and number of hours: Lecture: 15 h Learning methods: 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 (<i>knowledge, skills, social competences</i>): 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: <ul style="list-style-type: none"> • Learning basic knowledge of bioethics as a science and selected detailed issues of applying ethics in biological, biotechnological and biomedical sciences.

	<ul style="list-style-type: none"> • 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. 		
14.	<p>Content:</p> <ol style="list-style-type: none"> 1. The concept, characteristics and methods of bioethics - 2 hours; 2. 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; 3. Status of the human body and its parts (limits of interference, prohibition of commercialization, transplantation) - 2 hours; 4. 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. 		
15.	<table border="1"> <tr> <td data-bbox="207 907 970 1975"> <p>Learning outcomes:</p> <p>Student:</p> <ul style="list-style-type: none"> • has knowledge of the basics of bioethics as a field of science; • acquires knowledge in the field of contemporary bioethical challenges, such as: medically assisted procreation, euthanasia, medical experiments and clinical research, genetic engineering and its effects; • knows the tools offered by bioethics in the assessment of specific cases and in the context of the researcher's behavioral acceptability; • is able to identify correct and erroneous ethical attitudes; • is able to justify ethical choices; • knows and understands the social dimension of bioethical issues; • identifies and understands the mechanisms of assessment of researchers' and society's behavior towards bioethical challenges; • is able to cooperate in a group and react to ethically incorrect behavior of researchers and biotechnologists. </td> <td data-bbox="970 907 1412 1975"> <p>Outcome symbols:</p> <p>K1_W09, K1_W10,,K1_U04, K1_U08, K1_U09, K1_U11, K1_U12, K1_U13, K1_K01, K1_K02, K1_K03, K1_K04</p> </td> </tr> </table>	<p>Learning outcomes:</p> <p>Student:</p> <ul style="list-style-type: none"> • has knowledge of the basics of bioethics as a field of science; • acquires knowledge in the field of contemporary bioethical challenges, such as: medically assisted procreation, euthanasia, medical experiments and clinical research, genetic engineering and its effects; • knows the tools offered by bioethics in the assessment of specific cases and in the context of the researcher's behavioral acceptability; • is able to identify correct and erroneous ethical attitudes; • is able to justify ethical choices; • knows and understands the social dimension of bioethical issues; • identifies and understands the mechanisms of assessment of researchers' and society's behavior towards bioethical challenges; • is able to cooperate in a group and react to ethically incorrect behavior of researchers and biotechnologists. 	<p>Outcome symbols:</p> <p>K1_W09, K1_W10,,K1_U04, K1_U08, K1_U09, K1_U11, K1_U12, K1_U13, K1_K01, K1_K02, K1_K03, K1_K04</p>
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16.	<p>Recommended literature:</p> <p>Basic literature:</p> <ul style="list-style-type: none"> • 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. <p>Additional literature:</p> <ul style="list-style-type: none"> • Kuhse H., Singer P., <u>Bioethics. An Anthology</u>, 2nd edition, Blackwell 2006. <p>Legal sources:</p> <ul style="list-style-type: none"> • Nuremberg Code; • Helsinki Declaration; • Universal Declaration on Human Rights and Bioethics (UNESCO). 											
17.	<p>Methods of verification of the assumed learning outcomes:</p> <p>Participation in discussion, role-playing, working in problem subgroups, solving expert tasks, critical analysis.</p>											
18.	<p>Conditions of earning credits:</p> <p>Preparation of a written report summarizing the tasks performed during the classes according to the scheme prepared by the teacher.</p>											
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