



Subject card

| | | | | | | | |
|--|---|--|---|-------------------------------------|---|--|-----|
| Subject name and code | Bioethics, PG_00039047 | | | | | | |
| Field of study | Biotechnology | | | | | | |
| Date of commencement of studies | February 2022 | Academic year of realisation of subject | | | 2022/2023 | | |
| Education level | second-cycle studies | Subject group | | | Obligatory subject group in the field of study Humanistic-social subject group | | |
| Mode of study | Full-time studies | Mode of delivery | | | at the university | | |
| Year of study | 2 | Language of instruction | | | Polish | | |
| Semester of study | 3 | ECTS credits | | | 2.0 | | |
| Learning profile | general academic profile | Assessment form | | | assessment | | |
| Conducting unit | Department of Microbiology -> Faculty of Chemistry | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. inż. Hubert Cieśliński | | | | |
| | Teachers | | dr hab. inż. Hubert Cieśliński | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Bioetyka - Moodle ID: 29711 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29711 | | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 18.0 | 50 |
| Subject objectives | The student obtains knowledge that allows him to participate in: a) discussion on the ethical aspects of in vitro fertilization, b) discussion on the ethical aspects of organ transplantation, c) discussion on the ethical aspects of euthanasia, d) discussion on the construction and consumption of genetically modified organisms (animals and plants), e) discussions on the ethical aspects of reproductive cloning of animals, plants and humans, f) discussions on the ethical aspects of research into obtaining stem cells and their use in medicine. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | | Method of verification | |
| | K7_K01 | | The student knows and is able to apply universal ethical laws related to the work of a biotechnologist. | | | [SK5] Assessment of ability to solve problems that arise in practice | |
| | K7_U07 | | The student is able to assess the bioethical problems related to the development of medicine and biotechnology. | | | [SU2] Assessment of ability to analyse information | |
| | K7_W08 | | The student is able to discuss the key concepts and problems of bioethics, representative examples of bioethical problems and more important legal regulations in the field of bioethics. | | | [SW1] Assessment of factual knowledge | |
| Subject contents | <p>Lecture - topics</p> <p>Bioethics beginnings. Bioethics as ethical knowledge in medicine. Bioethics as ethical knowledge in biology and biotechnology. Conception and death: bioethics towards the limit states of human life. Debate on the IVF conception. The Embryo: Two Views - Quality of Life or Sanctity of Life? The embryo as a building material in "therapeutic" cloning. Eugenics: A Controversial Idea of the Improvement of the Human Race. The dispute over the moral and legal status of man in the prenatal period. Prenatal testing in pregnancy, benefits versus risks. Transplantology: Yesterday, Today, Tomorrow - Legal and Moral Aspects of Human Organ Harvesting for Transplantation. Stem cells in medicine, in vitro culture of tissues and organs. History of euthanasia. Arguments of supporters and opponents of euthanasia: dilemmas surrounding patient consent. Genetically Modified Organisms (GMOs) yesterday, today, tomorrow. GMOs as Producers of Consumer Goods: Should We Be Afraid of Them?</p> | | | | | | |

| | | | |
|--|--|---|-------------------------------|
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | | 80.0% | 100.0% |
| Recommended reading | Basic literature | Ramón Lucas Lucas "Bioetyka dla każdego" Wydawnictwo: Edycja Świętego Pawła Wydanie: Częstochowa 2005 Michele Aramini "Bioetyka dla wszystkich" Wydawnictwo: Espe Wydanie: Kraków 2011 Ślipko Tadeusz "Bioetyka. Najważniejsze problemy" Wydawnictwo Petrus, Kraków, 2012 | |
| | Supplementary literature | Andrzej Muszala "Encyklopedia bioetyki" Wydawnictwo: Polwen Wydanie: Radom 2009 | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | 1. Please define the term Bioethics 2. Please explain what processes led to the creation of Bioethics 3. Please define the concept of eco-ethics and present its relation to bioethics. 4. Please briefly present the most important philosophical thoughts shaping the contemporary different approach to the essence of man in the bioethical discussion. | | |
| Work placement | Not applicable | | |