Appendix No. 1.5 to the Resolution No. 7/2023

of the Rector of the University of Rzeszów

**SYLLABUS**

**regarding the qualification cycle FROM 2024TO 2025..**

**Academic year 2024/2025**

1. Basic Course/Module Information

|  |  |
| --- | --- |
| Course/Module title | *BIOETHICS* |
| Course/Module code \* |  |
| Faculty (name of the unit offering the field of study) | *INSTITUTE OF BIOLOGY* |
| Name of the unit running the course |  |
| Field of study | Biology, Biotechnology, Sociology, Philosophy, Law, Medicine |
| Qualification level | 1ST LEVEL, 2nd LEVEL |
| Profile | *UNIVERSITY-WIDE* |
| Study mode | *STATIONARY* |
| Year and semester of studies |  |
| Course type | *BASIC* |
| Language of instruction | ENGLISH |
| Coordinator | MAŁGORZATA KARBARZ, PhD |
| Course instructor | *MAŁGORZATA KARBARZ, PhD* |

\* - as agreed at the faculty

1.1.Learning format – number of hours and ECTS credits

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semester  (n0.) | Lectures | Classes | Laboratories | Seminars | Practical classes | Internships | others | **ECTS credits** |
|  |  | 30 |  |  |  |  |  | 5 |

1.2. Course delivery methods

- conducted in a traditional way

- involving distance education methods and techniques

1.3. Course/Module assessment (exam, pass with a grade, pass without a grade)

2. Prerequisites

|  |
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| Basic knowledge of genetics and biology, basic knowledge about society from primary and secondary school |

3. Objectives, Learning Outcomes, Course Content, and Instructional Methods

3.1. Course/Module objectives

|  |  |
| --- | --- |
| O1 | student recognition with issues related to bioethics |
| O2 | ACQUAINTING THE STUDENT WITH BIOETHICAL DOCUMENTS |
| O3 | STUDENT RECOGNITION WITH ETHICAL LIMITS OF DISCOVERIES IN THE FIELD OF BIOTECHNOLOGY AND BIOMEDICINE |
| O4 | STUDENT RECOGNITION WITH ETHICAL LIMITS OF DISCOVERIES IN THE FIELD OF BIOTECHNOLOGY AND BIOMEDICINE |
| O5 | STUDENT'S ABILITY TO ETHICALLY ANALYZE METHODS AND PRODUCTS OF BIOTECHNOLOGY AND BIOMEDICINE |
| O6 | THE STUDENT IS CONVINCED OF THE NECESSITY OF SELF-IMPROVEMENT; |
| O7 | THE STUDENT'S ATTITUDE OF RESPONSIBLE, CONSCIOUS AND ETHICAL HANDLING OF BIOLOGICAL MATERIAL. |

3.2. Course/Module Learning Outcomes (to be completed by the coordinator)

|  |  |  |
| --- | --- | --- |
| Learning Outcome | The description of the learning outcome  defined for the course/module | Relation to the degree programme outcomes |
| LO\_01 | THE STUDENT LEARNS TOOLS FOR ETHICAL ANALYSIS OF BIOTECHNOLOGY AND BIOMEDICAL METHODS AND FACILITIES USED, AMONG OTHERS, IN AGRICULTURE AND MEDICINE | K\_K08 |
| LO\_02 | SHE/HE EVALUATES THE BENEFITS AND RISKS OF NEW DISCOVERIES IN BIOTECHNOLOGY SUCH AS GMOS, EMBRYONIC STEM CELLS, ETC. IT PERFORMS ETHICAL EVALUATION OF PROCEDURES SUCH AS EUGENICS, IN VITRO FERTILIZATION, AND ABORTION | K\_U17 |
| LO\_03 | SHE/HE EXHIBITS ATTITUDES OF RESPONSIBLE, CONSCIOUS AND ETHICAL MANIPULATION OF BIOLOGICAL SYSTEMS.  IS AWARE OF THE IMPORTANCE OF SOCIAL, PROFESSIONAL AND ETHICAL RESPONSIBILITY FOR THE PRODUCTION OF HIGH-QUALITY FOOD, ANIMAL WELFARE, SHAPING AND THE STATE OF THE NATURAL ENVIRONMENT | K\_K05 |

**3.3. Course content (to be completed by the coordinator)**

1. Lectures
2. Classes, laboratories, seminars, practical classes

|  |
| --- |
| Content outline |
| 1. Bioethics - introduction, basic definitions |
| 2. Bioethical documents |
| 3. Bioethics of the beginnings of life |
| 4. Bioethics of life expectancy |
| 5. Bioethics of the end of life |

3.4. Methods of Instruction

e.g.

*Lecture: a problem-solving lecture/a lecture supported by a multimedia presentation/ distance learning*

*Classes: text analysis and discussion/project work (research project, implementation project, practical project)/ group work (problem solving, case study, discussion)/didactic games/ distance learning*

*Laboratory classes: designing and conducting experiments*

TEXT ANALYSIS AND DISCUSSION/PROJECT WORK

4. Assessment techniques and criteria

4.1 Methods of evaluating learning outcomes



4.2 Course assessment criteria

|  |
| --- |
| Classes -CREDIT ON THE BASIS ON PRESENTATION |

5. Total student workload needed to achieve the intended learning outcomes

– number of hours and ECTS credits

|  |  |
| --- | --- |
| Activity | Number of hours |
| Course hours | 30 |
| Other contact hours involving the teacher (consultation hours, examinations) | 40 |
| Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.) | 60 |
| Total number of hours | 13 |
| Total number of ECTS credits | 5 |

\* One ECTS point corresponds to 25-30 hours of total student workload

6. Internships related to the course/module

|  |  |
| --- | --- |
| Number of hours |  |
| Internship regulations and procedures |  |

7. Instructional materials

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| Compulsory literature:  MAPHAM B. – BIOETHICS: AN INTRODUCTION FOR THE BIOSCIENCES OXFORD |
| Complementary literature:  VERMEULEN N., TAMMINEM S., WEBSTER A. “BIO-OBJECTS LIFE IN 21ST CENTURY. ASHGATE 2011 |

Approved by the Head of the Department or an authorised person