COURSE DESCRIPTION CARD - SYLLABUS

Course name
Bioethics

Course

Field of study
Biomedical engineering
Area of study (specialization)

Level of study
First-cycle studies
Form of study
full-time

Year/Semester
4/7
Profile of study
general academic
Course offered in

Requirements
compulsory

Number of hours

Lecture
15
Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

Number of credit points

3

Lecturers

Responsible for the course/lecturer:
dr n. farm. Leszek Bartkowiak

Responsible for the course/lecturer:
lestek54@interia.pl

Prerequisites

the student has knowledge of the basic issues and terminology of ethics, can think logically and use information obtained from the library and the Internet

Course objective

learning about the issues related to the progress of biological sciences and medicine and the dilemmas associated with it , learning about the influence of bioethics on the development of medical engineering

Course-related learning outcomes

Knowledge

the student knows the basic terminology of bioethics and its main issues,

knows the basic ethical aspects of biomedical engineering and international bioethical conventions

Skills

the student is able to obtain information on bioethics from the literature and databases,

is able to assess ethical conditions in the field of biomedical engineering,

can explain the main bioethical problems in the field of biotechnology

Social competences

the student understands the need for constant self-education in the field of ethical problems of biotechnology,

understands the need to apply ethical principles in engineering activities

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

written final test, passing with a positive grade after obtaining at least 60% of the total number of points

Programme content

1. purpose, definition and history of bioethics

2. bioethics and biotechnology, criteria of ethical evaluation in bioethics

3. moral status - what protects bioethics? admissibility of animal experiments

4.mending and improving nature. The limits of human experimentation

5. the problem of human improvement. The eeugenic experiment and embryo status

6. the ethical "inclined plane" and the limits of biotechnological progress

7. ethical threats in the development of information technologies

Teaching methods

lecture. Multimedia presentation illustrated with examples given in the presentation

Bibliography

Basic

1. Chyrowicz B., Bioetyka. Anatomia sporu, Wydawnictwo Znak, Kraków 2015

2. Współczesne wyzwania bioetyczne, red. L. Bosek i M Królikowski, wyd. C.H. Beck, Warszawa 2010.

3. Sandel MJ., Przeciwko udoskanalaniu człowieka. Etyka w czasach inżynierii genetycznej, Kurhaus Publishing , Warszawa 2014.

Additional

1. Galewicz W., status ludzkiego zarodka a etyka badań biomedycznych, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2013.

2. Chyrowicz B, Bioetyka i ryzyko, Towarzystwo Naukowe KUL, lublin 2002

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	17	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	58	2,0

[1] delete or add other activities as appropriate