

**SUBJECT SHEET**

**Subject: ETHICS AND ACADEMIC INTEGRITY**

**Holder of course activities: Prof. dr. Octavian Popescu**

**Year of study: I**

<b>Number of hours per week/Verification/Number of ECTS credits</b>			
<b>Subject content</b>	<b>Number of hours per week</b>	<b>Form of examination</b>	<b>Number of ECTS credits</b>
Course	2	Written exam	15
Seminar	2	Case studies	

**A. OBJECTIVES OF THE SUBJECT** (The objectives are formulated in terms of professional skills):

The general objective of the subject:	Knowledge and deepening of the major themes of ethics and academic integrity specific to scientific research.
The specific objectives:	<ol style="list-style-type: none"> <li>1. Defining the study object of ethics.</li> <li>2. Major ethical issues in scientific research.</li> <li>3. Knowledge of ethical aspects: criteria regarding copyright, plagiarism, conflict of interest, etc.</li> <li>4. Debating general ethical issues in scientific research in the fields of life sciences and medicine.</li> <li>5. Knowledge and deepening of ethical issues specific to scientific research in the field of biology.</li> <li>6. Knowledge of ethical issues specific to genetics and genomics research.</li> <li>7. Medical ethics.</li> </ol>

**B. TERMS** (where applicable)

of course implementation	Adequate room, blackboard, video projector, internet access, dedicated software.
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**C. ACCUMULATED SPECIFIC COMPETENCES** (It concerns the competences ensured by the study program of which the subject is a part)

Professional skills	<ol style="list-style-type: none"> <li>1. Knowledge and acquisition of general ethical principles.</li> <li>2. The ability to use the principles of ethics and academic integrity with responsibility in the subsequent professional activities.</li> <li>3. Knowledge of the major implications of ethics in scientific research by deepening the criteria regarding copyright, plagiarism, conflict of interest, etc.</li> <li>4. The ability to independently use the principles of ethics and academic integrity in new contexts.</li> <li>5. The knowledge and skills acquired in this discipline will form the basis of future scientific and didactic research activities.</li> </ol>
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Transversal skills	1. Communication skills. 2. Respect and development of professional values and ethics.
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#### D. SUBJECT CONTENT

##### a) Course

Chapter	Contents	Hours
1.	Introduction. Philosophical bases of ethics.	2
2.	Ethical competence and ethical authority. Types of ethics.	2
3.	Plagiarism and self-plagiarism.	2
4.	Plagiarism detection.	2
5.	Reverse plagiarism.	2
6.	The evolutionary bases of bioethics.	2
7.	Social bioethics – issues of race, ethnicity, sexual orientation, social organization and cultural diversity.	2
8.	Ethical issues regarding cloning of living organisms, <i>in vitro</i> fertilization and stem cells.	2
9.	Genetically modified organisms.	2
10.	Scientific research and environmental issues.	2
11.	Ethics in environmental issues - species conservation and ecological reconstruction.	2
12.	Artificial intelligence.	2
13.	The impact of artificial intelligence I.	2
14.	The impact of artificial intelligence II.	2
<b>Total hours</b>		<b>28</b>

##### b) seminar

Deployment mode	Hours
Case studies	28

**E. EVALUATION** (The methods, forms of evaluation and their weighting in determining the final grade are specified. The minimum performance standards are indicated, related to the skills defined in point A. **Objectives of the subject**)

Type of activity	Evaluation criteria	Evaluation methods	Weight in the final grade
Course	Acquired knowledge	Written exam	65%
Seminar	Activity	Presented case studies	35%

The results of the subject evaluation are expressed by the following qualifications: "*Very good*"; "*Good*"; "*Satisfactorily*"; "*Unsatisfactory*". The grades "*Very good*", "*Good*" and "*Satisfactory*" allow the doctoral student to obtain the ECTS credits.

#### F. METHODOLOGICAL LANDMARKS

Frontal lecture combined with dialogue. Use of modern teaching aids (PowerPoint). Course support.

#### G. CORROBRATION OF THE CONTENTS OF THE DISCIPLINE WITH THE EXPECTATIONS OF THE LEGATES OF THE EPISTEMIC COMMUNITY, PROFESSIONAL ASSOCIATIONS AND REPRESENTATIVE EMPLOYERS IN THE FIELD RELATED TO THE PROGRAM

1. The subject ensures a wide fund of basic theoretical and practical knowledge regarding the general principles of ethics and academic integrity.
2. The subject provides fundamental elements that help the doctoral student in knowing the major implications of ethics in scientific research both for the realization of the doctoral thesis and for future work.

## H. BIBLIOGRAPHY

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**Course holder**

**Prof. dr. Octavian Popescu**



**Director of Doctoral School**

**Dr. Felicia Antohe, Senior Researcher first degree**