

COURSE SYLLABUS

1. Data about the program

1.1 Higher education institution	Babeş-Bolyai University
1.2 Faculty	Faculty of Physics
1.3 Doctoral school	Physics
1.4 Field of study	Physics
1.5 Study cycle	Doctorate
1.6 Study program / Qualification	Doctoral training / PhD in Physics

2. Course data

2.1 Name of discipline	Ethics and academic integrity						
2.2 Teacher responsible for lectures	Assoc. Prof. dr. habil. Baia Monica						
2.3 Teacher responsible for seminars	Assoc. Prof. dr. habil. Baia Monica						
2.4 Year of study	1	2.5 Semester	1	2.6. Type of evaluation	E	2.7 Course framework	DO

3. Estimated total time of teaching activities (hours per semester)

3.1 Hours per week	1.5	Out of which: 3.2 Lectures	1	3.3 Seminars / Laboratory classes	0.5
3.4 Total hours in the curriculum	18	Out of which: 3.5 Lectures	12	3.6 Seminars / Laboratory classes	6
Allocation of study time:					h
Study supported by textbooks, other course materials, recommended bibliography and personal student notes					20
Additional learning activities in the library, on specialized online platforms and in the field					10
Preparation of seminars / laboratory classes, topics, papers, portfolios and essays					10
Tutoring					10
Examinations					5
Other activities: -					
3.7 Individual study (total hours)	55				
3.8 Total hours per semester	67				
3.9 Number of credits	5				

4. Preconditions (where applicable)

4.1 Curriculum	•
4.2 Competences	•

5. Conditions (where applicable)

5.1 Conducting lectures	• Course hall with blackboard, projector, internet access and software
5.2 Conducting seminars / laboratory classes	• Course hall with blackboard, projector, internet access and software

6. Specific competences acquired

Professional competences	<ul style="list-style-type: none"> • Knowledges about the general principles of ethics and academic integrity. • The capacity to understand the main consequences of ethics and integrity in the scientific research. • Practical skills related to the ethics and academic integrity. • Planning and organising skills. Interdisciplinary mindset
Transversal competences	<ul style="list-style-type: none"> • The ability to apply the concepts related to ethics and academic integrity • The capacity to use the principles of ethics and academic integrity in new contexts. • The ability to apply the ethics related knowledge in solving real issues. • Respecting, in accordance with the law, of intellectual property rights (including the technological transfer), product certification methodology, principles, norms and values of professional ethics in the framework of the own rigorous, efficient and responsible strategy of work. • Effective use of information sources and communication resources and training assistance, both in English and Romanian language.

7. Course objectives (based on the acquired competencies grid)

7.1 The general objective of the course	<ul style="list-style-type: none"> • Acquiring knowledge about ethics and academic integrity in general and about scientific research in particular
7.2 Specific objectives	<ul style="list-style-type: none"> • Acquiring skills related to: <ul style="list-style-type: none"> - ethics - ethics issues related to the research activities - ethics aspects: authorships, plagiarism, conflicts of interests, intellectual properties, etc. - general aspects related to the ethics and academic integrity in the research - related to exact sciences

8. Content

8.1 Lectures	Teaching methods	Comments
Ethics and academic integrity - introduction. Ethics: definitions, principles and responsibilities, ethics functions	Presentation, discussion, case studies, exercises	2h
Ethics theories		4h
Integrity. Academic integrity. Standards of academic integrity. Ethical guides.		2h
Ethics and integrity in scientific research. Plagiarism		2h
Intellectual properties		2h
8.2 Seminars / laboratory classes	Teaching methods	Comments
Ethics and academic integrity- case studies	Presentation, discussion, exercises	2h
Academic dishonesty- case studies		2h
Plagiarism. Case studies		2h
Bibliography: 1. Emanuel Socaciu, Constantin Vică, Emilian Mihailov, Toni Gibeau, Valentin Mureșan, Mihaela Constantinescu, Etică și integritate academică, Editura Universității din București, 2018.		

2. http://www.bbc.co.uk/ethics/introduction/intro_1.shtml

3. World Conference on Research Integrity. 2010. Singapore Statement. <http://www.singaporestatement.org/statement.html>

4. Camilla Jones Roberts, Shalin Hai-Jew, Issues of Academic Integrity: An Online Course for Students Addressing Academic Dishonesty, MERLOT Journal of Online Learning and Teaching Vol. 5, No. 2, June 2009, 182-196.

5. [COPE flowcharts] Committee on Publication Ethics flowcharts. Version one. 2006. <http://publicationethics.org/resources/flowcharts>

6. Roig M. 2015. *Avoiding plagiarism, self-plagiarism, and other questionable writing practices: a guide to ethical writing*. Office of Research Integrity <http://ori.hhs.gov/education/products/plagiarism/0.shtml>

7. Kerans ME, de Jager M. 2010. Handling plagiarism at the editor's desk. *European Science Editing* 36(3): 62-66. http://www.ease.org.uk/sites/default/files/ese_aug10.pdf

8. <https://gradschool.unc.edu/academics/resources/ethics.html#intro>

9. Aligning the contents of the discipline with the expectations of the epistemic community representatives, professional associations and standard employers operating in the program field

- The content of the discipline is in accordance with the subjects which are studied in the same field in Romanian and foreign universities related to the ethics and academic integrity topics.

10. Examination

Activity type	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Weight in the final grade
10.4 Lectures	Assessment of knowledge	Written exam	-
	Assessment of knowledge	Ongoing tests	50%
10.5 Seminars / laboratory classes	Activity during seminars	Discussions, answers to questions	50%
	Assessment of knowledge	Written exam	-
10.6 Minimum performance standard			
<ul style="list-style-type: none"> • knowledge about ethics and academic integrity in general and about scientific research in particular 			

Date of issue

21.09.2021

Signature of the teacher responsible for lectures

Assoc.Prof.dr. habil. Monica Baia

Signature of the teacher responsible for seminars

Assoc.Prof.dr. habil. Monica Baia

Date of approval by the doctoral school council
08.10.2021

Signature of the doctoral school director