

SYLLABUS

1. Information regarding the program

1.1 Higher education institution	Babeş-Bolyai University
1.2 Faculty	Faculty of Physics
1.3 Department	Doctoral School of 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	Academic ethics and integrity						
2.2 Teacher responsible for lectures	Prof.dr. Monica Baia, Prof.dr. Vasile Chiş						
2.3 Teacher responsible for seminars	Prof.dr. Monica Baia, Prof.dr. Vasile Chiş,						
2.4 Year of study	I	2.5 Semester	I	2.6 Type of evaluation	E	2.7 Course framework	DS

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:					42
Study supported by textbooks, other course materials, recommended bibliography and personal student notes					14
Additional learning activities in the library, on specialized online platforms and in the field					6
Preparation of seminars/laboratory classes, topics, papers, portfolios and essays					10
Tutoring					8
Examinations					4
Other activities: -					-
3.9 Total individual study hours	42				
3.10 Total hours per semester	60				
3.11 Number of ECTS credits	5				

4. Prerequisites (if necessary)

4.1 Curriculum	-
4.2 Competences	-

5. Conditions (where applicable)

5.1 Conducting lectures	Course hall, appropriate board, projector internet access
5.2 Conducting seminars/laboratory classes	Course hall, appropriate board, projector, internet access

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 discipline	- Acquiring knowledge about ethics and academic integrity in general and about scientific research in particular
7.2 Specific objectives	- 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
1. Organization of Doctoral School of Physics and of the Institute of Doctoral Studies The methodology of similarity analysis of doctoral theses The methodology of pre-submission of the doctoral thesis Guide to writing the doctoral thesis	Interactive lecture, discussion, debate, case-studies learning, Just-in-time teaching	3 hours
2. Ethics and academic integrity - introduction. Ethics: definitions, principles and responsibilities, ethics functions		1 hours
3. Ethics theories		2 hours
4. Integrity. Academic integrity. Standards of academic integrity. Ethical guides.		2 hours
5. Ethics and integrity in scientific research. Plagiarism		2 hours
6. Intellectual properties		2 hours

8.2 Seminars / laboratory classes	Teaching methods	Comments
1. Lectures in the first semester; Evaluation and the corresponding minute; Forms to be completed Yearly reports (research plan and scientific reports) Necessity reports and Rector's order CNATDCU standards Interruption and extension of doctoral studies Using the doctoral grant	Interactive discussion, debate, case-studies, exercises	1.5 hours
2. Academic dishonesty- case studies		2.5 hours
3. Plagiarism. Case studies		2 hours
Bibliography		
1. https://doctorat.ubbcluj.ro/ro/formulare/		
2. https://phys.ubbcluj.ro/departamente/sd.htm		
3. 2023 02 06 HCA 1456 privind distribuția grantului doctoral pe categorii de cheltuieli încorporand cu anul universitar 2022-2023-1681218369.pdf (ubbcluj.ro)		
4. Emanuel Socaciu, Constantin Vică, Emilian Mihailov, Toni Gibeau, Valentin Mureșan, Mihaela Constantinescu, Etică și integritate academică, Editura Universității din București, 2018.		
5. http://www.bbc.co.uk/ethics/introduction/intro_1.shtml		
6. World Conference on Research Integrity. 2010. Singapore Statement. http://www.singaporestatement.org/statement.html		
7. 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.		
8. [COPE flowcharts] Committee on Publication Ethics flowcharts.Version one. 2006. http://publicationethics.org/resources/flowcharts		
9. 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		
10. 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		
11. 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 the country and other universities from abroad 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			
Knowledge of academic ethics and integrity in general and of scientific research in particular, as well as assessing and making the right decisions in specific situations that doctoral students may face.			

Signature of course coordinator

Signature of seminar coordinator

Prof.dr. Monica Baia

Prof.dr. Monica Baia

Prof.dr. Vasile Chiş

Prof.dr. Vasile Chiş

Date

21.09.2025

Signature
Head of department
Prof. dr. Vasile Chiş