

COURSE SYLLABUS

1. Data about the program

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

2. Course data

2.1 Name of discipline	Research methods, ethics and academic integrity		
2.2 Teacher responsible for lectures	Assoc. Prof. PhD Lazar Ferenc FORRAY		
2.3 Teacher responsible for seminars	Assoc. Prof. PhD Lazar Ferenc FORRAY		
2.4 Year of study	1	2.5 Semester	2
		2.6. Type of evaluation	Exam
			2.7 Course framework
			Oblig

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

3.1 Hours per week	4	Out of which: 3.2 Lectures	2	3.3 Seminars / Laboratory classes	2
3.4 Total hours in the curriculum	48	Out of which: 3.5 Lectures	24	3.6 Seminars / Laboratory classes	24
Allocation of study time:					hours
Study supported by textbooks, other course materials, recommended bibliography and personal student notes					30
Additional learning activities in the library, on specialized online platforms and in the field					20
Preparation of seminars / laboratory classes, topics, papers, portfolios and essays					15
Tutoring					2
Examinations					2
Other activities: -					0
3.7 Individual study (total hours)	65				
3.8 Total hours per semester	117				
3.9 Number of credits	10				

4. Preconditions (where applicable)

4.1 Curriculum	•
4.2 Competences	•

5. Conditions (where applicable)

5.1 Conducting lectures	• Video support, computer
5.2 Conducting seminars / laboratory classes	

6. Specific competences acquired

Professional competences	Development of the capacity to elaborate a research project, to lead a team of researchers for the good development of the project, as well as to capitalize on the research results
Transversal competences	Ability to identify and solve problems of an ethical nature and implement codes of ethics and professional ethics in research and capitalization of research results

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

7.1 The general objective of the course	<ul style="list-style-type: none"> the assimilation of some general knowledge regarding the academic ethics, the deontology of the research in geosciences, from the choice of the research topic to the capitalization of the research results
7.2 Specific objectives	<ul style="list-style-type: none"> acquiring knowledge regarding research methods in geology, drafting a research project, acquiring the knowledge necessary to write a scientific paper, respecting the deontological norms

8. Content

8.1 Lectures	Teaching methods	Comments
1. Introduction. Ethics and integrity in contemporary philosophy		
2. Moral psychology. Integrity: concept, principles and values		
3. Ethical principles		
4. Ethics and integrity in academia. Definitions and concepts		
5. The moral specifics of academic life. University codes of ethics		
6. The Internet and ethical issues. Counterfeiting and plagiarism		
7. Ethical dilemmas in research		
8. Deontology of teamwork		
9. Originality in scientific research		
10. Ethics of research in geosciences		
11. Original articles-contributions in disseminating knowledge results		
12. The structure of a scientific paper in geoscience		

Presentation,
discussion, case
studies

Bibliography:

Cătineanu T., 1982, Elemente de etică, vol. I, vol. II, Editura Dacia, Cluj-Napoca
 Haidt, J., 2016. Mintea moralistă. De ce ne dezbină politica și religia? Editura Humanitas, București
 Ronson J., 2016. Umilirea publică în epoca internetului, Editura ART, București
 Sandu A., 2012. Etică și deontologie profesională, Editura Lumen, Iași
 Singer, P. 2006. Tratat de etică, Editura Polirom, Iași

Stan E., 1999. Profesorul între autoritate și putere, Editura Teora, București
 *** Codul de etica si si deontologie profesionala al UBB

8.2 Seminars / laboratory classes	Teaching methods	Comments
1. Moral freedom	Discussion	
2. Moral norms and principles	Discussion	
3. Freedom and academic competence	Discussion	
4. Integrity and collegiality in the academic environment	Discussion	
5. Legislation on conduct in scientific research	Discussion	
6. Research ethics. Copyright	Discussion	
7. Ethics and teamwork	Discussion	
8. Defining values in research. Communication and respect shown in the team	Discussion	
9. Defining values in research. Transparency, objectivity, legality	Discussion	
10. Scientific fraud-causes	Discussion	
11. Plagiarism and self-plagiarism	Discussion	
12. Identifying and combating plagiarism	Discussion	

Bibliography:

Pleșu A., 2005. Minima moralia, EdituraHumanitas, București

Socaciu E., Vica C., Mihailov E., Gibea T., Muresan V., Constantinescu M. 2018. Etica si integritatea academica, Ed. Universitatii din Bucuresti.

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

10. Examination

Activity type	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Weight in the final grade
10.4 Lectures	Knowing the course content. Ability to make connections in the use of acquired knowledge	oral examination	50%
10.5 Seminars / laboratory classes	The quality of a review, the capacity for analysis and synthesis	Review of a book on the subject of the course	50%
10.6 Minimum performance standard			
Promotion of the theoretical exam, or a properly prepared review			

Date of issue

12.05.2025

Signature of the teacher responsible for lectures

Assoc. Prof. PhD Ferenc Forray

Signature of the teacher responsible for seminars

Assoc. Prof. PhD Ferenc Forray

Date of approval by the doctoral school council

16.05.2025

Signature of the doctoral school director