

## COURSE OUTLINE

### 1. Study programme information

1.1 Higher education institution	Universitatea de Vest din Timișoara
1.2 Faculty / Department	Chimie-Biologie-Geografie/Geografie
1.3 Sub-department	
1.4 Field of study	Geography
1.5 Level of study	Master's degree
1.6 Study programme / Qualification	Geographic Information Systems

### 2. Course information

2.1 Course title		<b>Ethics in scientific research</b>					
2.2 Course convenor/ Lecturer		dr. Raluca VĂDUVA					
2.3 Teaching assistant		dr. Raluca VĂDUVA					
2.4 Year of study	I	2.5 Semester	I	2.6 Type of assessment	E/C	2.7 Course type	DI

### 3. Timpul total estimat (ore pe semestru al activităților didactice)

3.1 Number of hours per week	2	of which: 3.2 lecture	1	3.3 seminar/laboratory	1
3.4 Total hours in the curriculum	28	of which: 3.5 lecture	14	3.6 seminar/laboratory	14
Time distribution:					hours
Studying textbooks, course materials, bibliography, and notes					<b>24</b>
Further research in libraries, on electronic platforms and in the field					24
Preparing seminars/ laboratories, homework, research papers, portfolios and essays					16
Tutoring					4
Examinations					4
Other activities					-
3.7 Total hours of individual study	<b>22</b>				
3.8 Total hours per semester	<b>50</b>				
3.9 Number of credits	<b>2</b>				

### 4. Prerequisites (if applicable)

4.1 based on curriculum	
4.2 based on competencies	

### 5. Conditions (if applicable)

5.1 for the course	-
5.2 for the seminar/laboratory	-

### 6. Accumulated specific competencies

Knowledge	<ul style="list-style-type: none"> <li>-knowledge of ethical theories relevant to understanding how ethics is applied in research</li> <li>-identification and evaluation of key principles of ethical research</li> <li>-knowledge of the fundamental elements of academic writing</li> <li>-identification of potential ethical issues relating to your own research</li> </ul>
Professional skills	<ul style="list-style-type: none"> <li>-knowledge and implementation of codes of ethics and professional conduct and university integrity</li> <li>-identification of and solving potentially conflicting situations with ethical implications in the university environment</li> <li>-use of specific concepts, theories and methods to explain the phenomena associated with the concepts of ethics and academic integrity to a language specific to research ethics</li> </ul>

Responsibility and autonomy	<ul style="list-style-type: none"> <li>-applying efficient and responsible work strategies, based on the principles, norms and values of the code of professional ethics</li> <li>-compliance with ethical and deontological standards</li> <li>-demonstrating objectivity in reasoning and interventions, scientific rigor and scientific correctness</li> <li>-applying efficient work techniques in a multidisciplinary team, ethical attitude towards the group, respect for diversity and multiculturalism, acceptance of diversity of opinion</li> </ul>
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### 7. Course objectives (as resulting from the accumulated specific competencies)

7.1. General objective	understanding the importance of the course in the university environment, acquiring the specific characteristics of ethics and academic integration in the perspective of developing a professional career, not necessarily university.
Specific objectives	knowledge of the characteristics of the course in the field of geographical sciences.

### 8. Content

8.1. Course	Teaching methods	Remarks
Introduction to Ethics in scientific research. Research ethics: why it matters. Necessity and reality. National and international concerns.	Scientific lecture, dialogue, explanation, case studies	
Standards of integrity in teaching and research in higher education. Codes of ethics in universities. Professional codes of ethics	Scientific lecture, dialogue, explanation, case studies	
Elaboration of scientific materials (scientific papers, reports, essays). Ethical aspects specific to scientific research: from planning to communication of research	Scientific lecture, dialogue, explanation, case studies	
Elaboration of scientific materials: most frequently used methods in scientific research	Scientific lecture, dialogue, explanation	
Teamwork: deontological aspects, results, dissemination, relativity/ambiguity	Scientific lecture, dialogue, explanation	
Fraud in scientific research / science. Plagiarism and self-plagiarism: definition, forms	Description, explanation	
Anti-plagiarism software: limitations, advantages	Description, explanation	
<b>References:</b>		
<p>Legea educației naționale nr. 1/2011.  <a href="http://www.dreptonline.ro/legislatie/legea_educatiei_nationale_lege_1_2011.php">http://www.dreptonline.ro/legislatie/legea_educatiei_nationale_lege_1_2011.php</a></p> <p>Legea nr. 206/2004 privind buna conduită în cercetarea științifică, dezvoltarea tehnologică și inovare.  <a href="https://lege5.ro/Gratuit/gu3donrv/legea-nr-206-2004-privind-buna-conduita-in-cercetarea-stiintifica-dezvoltarea-tehnologica-si-inovare">https://lege5.ro/Gratuit/gu3donrv/legea-nr-206-2004-privind-buna-conduita-in-cercetarea-stiintifica-dezvoltarea-tehnologica-si-inovare</a></p> <p>Legea nr. 398/2006 pentru modificarea și completarea Legii nr. 206/2004 privind buna conduită în cercetarea științifică, dezvoltarea tehnologică și inovare. <a href="https://lege5.ro/Gratuit/geydamjrgq/legea-nr-398-2006-pentru-modificarea-si-completarea-legii-nr-206-2004-privind-buna-conduita-in-cercetarea-stiintifica-dezvoltarea-tehnologica-si-inovare">https://lege5.ro/Gratuit/geydamjrgq/legea-nr-398-2006-pentru-modificarea-si-completarea-legii-nr-206-2004-privind-buna-conduita-in-cercetarea-stiintifica-dezvoltarea-tehnologica-si-inovare</a></p> <p>Legea nr. 319/2003 privind Statutul personalului de cercetare-dezvoltare.  <a href="http://www.cdep.ro/pls/legis/legis_pck.htp_act_text?id=49472">http://www.cdep.ro/pls/legis/legis_pck.htp_act_text?id=49472</a></p> <p>Ordinul nr. 211/2017 privind aprobarea Regulamentului de organizare și funcționare a Consiliului Național de Etică a Cercetării Științifice, Dezvoltării Tehnologice și Inovării, precum și a componentei nominale a acestuia. <a href="https://lege5.ro/Gratuit/ge2tqmrthe3a/ordinul-nr-211-2017-privind-aprobarea-regulamentului-de-organizare-si-functionare-al-consiliului-national-de-etica-a-cercetarii-stiintifice-dezvoltarii-tehnologice-si-inovarii-precum-si-a-componentei-">https://lege5.ro/Gratuit/ge2tqmrthe3a/ordinul-nr-211-2017-privind-aprobarea-regulamentului-de-organizare-si-functionare-al-consiliului-national-de-etica-a-cercetarii-stiintifice-dezvoltarii-tehnologice-si-inovarii-precum-si-a-componentei-</a></p>		

Ordinul nr. 6085/2016 privind constituirea Consiliului de etică și management universitar și aprobarea Regulamentului de organizare și funcționare a Consiliului de etică și management universitar.  
<https://lege5.ro/Gratuit/geztqznzsguya/ordinul-nr-6085-2016-privind-constituirea-consiliului-de-etica-si-management-universitar-si-aprobarea-regulamentului-de-organizare-si-functionare-a-consiliului-de-etica-si-management-universitar>

Boyd, W.E., Healey, R.L., Hardwick, S.W., Haigh, M., Klein, P., Doran, B., Trafford, J., Bradbeer, J. 2008. None of Us Sets Out To Hurt People': The Ethical Geographer and Geography Curricula in Higher Education, *Journal of Geography in Higher Education*, Vol. 32, No. 1, 37-50. DOI: 10.1080/03098260701731462

Cargill, M., O'Connor, P. 2013. *Writing Scientific Research Articles: Strategy and Steps*, John Wiley & Sons, 240 pp.

Chelcea, S. 2003. *Metodologia elaborării unei lucrări științifice*, Edit. Comunicare, București, 287 pp.

Jordan, S.R. 2013. Conceptual Clarification and the Task of Improving Research on Academic Ethics, *J Acad Ethics*, 11:243-256. DOI 10.1007/s10805-013-9190-y

Clifford, N., French, S., & Valentine, G. (Eds.) (2010). *Key methods in Geography*. (2nd ed.) Sage

Griffith, D., (2008), *Ethical Considerations in Geographic Research: What Especially Graduate Students Need to Know*, *Ethics Place and Environment* 11(3):237-252, DOI: 10.1080/13668790802559650

Marsh, B. 2012. *Plagiarism: Alchemy and Remedy in Higher Education*, SUNY Press, 188 pp.

Papadima, L. (coord.) 2017. *Deontologie academică, Curriculum-cadru*, Universitatea din București, 82 pp.

Șarpe, D., Popescu, D., Neagu, A., Ciucur, V. 2011. *Standarde de integritate în învățământul universitar*, Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării.

Șercan, E. 2017. *Deontologie academică. Ghid practic*, Editura Universității din București, 61 pp.

Weinbaum, C., Landree, E., Blumenthal, M., Piquado, T., Gutierrez, C.I., (2019), *Ethics in Scientific Research. An Examination of Ethical Principles and Emerging Topics*, RAND Corporation, Santa Monica, ISBN: 978-1-9774-0269-1

Wendy Sutherland-Smith, W. 2008. *Plagiarism, the Internet, and Student Learning: Improving Academic Integrity*, Routledge, 240 pp.

Whidby, M.A. 2012. *Citation handling: processing citation texts in scientific documents*, Thesis, ProQuest LLC, 64 pp.

8.2. Seminar / laboratory	Teaching methods	Remarks
Introduction to Ethics in scientific research. Research ethics: why it matters.	Case studies, debate, explanation.	
Morality, ethics, integrity and academic deontology. Corruption (bribery) in the university environment.	Case studies, debate, explanation.	
Writing scientific materials: bachelor's, dissertation and doctorate theses, scientific articles, essays, reports. Rules.	Case studies, debate, explanation.	
Writing scientific materials: bachelor's, dissertation and doctorate theses, scientific articles, essays, reports. Rules.	Case studies, debate, explanation.	
Teamwork: documentation, results, dissemination.	Case studies, debate, explanation.	
Plagiarism and self-plagiarism. How to use dedicated software to verify scientific papers?	Case studies, debate, explanation. Demonstration.	
Presentations of reports/essays/ papers	Presentations	

#### References:

Clifford, N., French, S., & Valentine, G. (Eds.) (2010). *Key methods in Geography*. (2nd ed.) Sage

Griffith, D., (2008), *Ethical Considerations in Geographic Research: What Especially Graduate Students Need to Know*, *Ethics Place and Environment* 11(3):237-252, DOI: 10.1080/13668790802559650

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Șarpe, D., Popescu, D., Neagu, A., Ciucur, V. 2011. Standarde de integritate în învățământul universitar, Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării.

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### 9. Corroborating course content with the expectations held by the representatives of the epistemic community, professional associations and typical employers in the field of the study programme

Course content will offer the students the necessary rules and regulations of ethical conduct in all university activities and human relations.

### 10. Assessment

Type of activity	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final mark
10.4 Course	Understanding and assimilating theoretical knowledge	Written exam - multiple choice test	30%
10.5 Seminar / laboratory	Research project	Assessment of the written report	40%
	Quality of the content and presentation	Assessment of the project presentation	30%
10.6 Minimum performance standard			
grade 5 at the written exam grade 5 at the research project grade 5 at the oral presentation			

Date  
18.09.2022

Course convenor's signature  
dr. Raluca VĂDUVA

Teaching assistant's signature  
dr. Raluca VĂDUVA

Date of approval in the department

Head of department's signature