

SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Automation and Computer Science
1.3	Department	Automation Department
1.4	Field of study	Systems Engineering
1.5	Cycle of study	Research Master's
1.6	Program of study/Qualification	Cyber Physical Systems
1.7	Form of education	Full time
1.8	Subject code	17.00

2. Data about the subject

2.1	Subject name	<i>Academic Ethics and Integrity</i>					
2.2	Subject area	Social Sciences					
2.2	Course responsible/lecturer	Lect. Peculea Lorena (lorena.peculea@dppd.utcluj.ro)					
2.3	Teachers in charge of seminars	-					
2.4	Year of study	II	2.5 Semester	1	2.6 Assessment	Exam	E
2.7	Subject category	Formative category					DC
		Optionality					DI

3. Estimated total time

3.1	Number of hours per week	1	of which	3.2 Course	1	3.3 Seminar	-	3.3 Laboratory	-	3.3 Project	-
3.4	Total hours in the curriculum	14	of which	3.5 Course	14	3.6 Seminar	-	3.6 Laboratory	-	3.6 Project	-
3.7 Individual study:											
(a) Manual, lecture material and notes, bibliography										26	
(b) Supplementary study in the library, online and in the field										4	
(c) Preparation for seminars/laboratory works, homework, reports, portfolios, essays										4	
(d) Tutoring										-	
(e) Exams and tests										2	
(f) Other activities										-	
3.8 Total hours of individual study (sum (3.7(a)...3.7(f)))					36						
3.9 Total hours per semester (3.4+3.8)					50						
3.10 Number of credit points					2						

4. Pre-requisites (where appropriate)

4.1	Curriculum	-
4.2	Competence	-

5. Requirements (where appropriate)

5.1	For the course	Active and interactive learning conditions, didactic activities based on heuristic and creative strategies, on problematic learning situations, but also on practical-applicative situations.
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		<p>Onsite scenario: use of computer, video projector and internet connection.</p> <p>Online scenario: collaborative platforms (MS Teams etc.)</p>
5.2	For the applications seminars / laboratory / project	-

6. Specific competences

Professional competences	<p>PC1. Identifying and assimilating the concepts, theories, principles specific to academic ethics and integrity and the main methodological guidelines specific to these fields.</p> <p>PC2. Developing the ability to understand, interpret and apply codes of ethics.</p> <p>PC3. Explaining, interpreting, and appropriately using ideas and concepts in solving problems of academic ethics and integrity.</p> <p>PC4. Knowledge of ethical norms during scientific research and publication of results.</p> <p>PC5. Use of research data according to standards of academic ethics and integrity.</p>
Cross competences	<p>CC1. Approaching in a realistic way, with both theoretical and practical arguments, some problem situations with a medium degree of difficulty, in order to solve them efficiently.</p> <p>CC2. Applying efficient work techniques in a multidisciplinary team with the performance of certain tasks at various levels.</p> <p>CC3. Developing specialized language, by making logical connections between them, by making conceptual transfers in order to explain and substantiate the educational and/ or professional action.</p> <p>CC4. Adopting a correct professional conduct from the point of view of academic ethics and integrity.</p> <p>CC5. Manifesting a positive and responsible attitude towards the field of academic ethics and integrity.</p> <p>CC6. Cultivating a scientific environment focused on democratic values and relations.</p>

7. Discipline objectives (as results from the *key competences gained*)

7.1	General objective	Improving the degree of knowledge and application of ethical conduct and the operationalization of academic integrity within the Romanian university education, through the acquisition of some concepts, methods, tools and procedures for analysing compliance with academic integrity at all levels (didactic, administrative, scientific).
7.2	Specific objectives	<ol style="list-style-type: none"> 1. To properly acquire the specific concepts of academic ethics and integrity for their application in the development of a responsible professional career, moral conduct being an important benchmark of professionalism; 2. To develop their abilities to know, appreciate and value the main norms, standards, paradigms regarding academic ethics;

		<p>3. To acquire the knowledge and skills necessary for understanding, respecting, interpreting and implementing codes of academic ethics and integrity;</p> <p>4. To develop their skills in identifying and solving problems with ethical implications (ethical dilemmas);</p> <p>5. To understand the concepts necessary for the elaboration of academic/ scientific papers in accordance with the principles of academic ethics and integrity;</p> <p>6. To identify specific instruments for measuring and promoting a culture of integrity in the university environment.</p>
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8. Contents

8.1. Lecture (syllabus)	Number of hours	Teaching methods	Notes
<p>1. Introduction to academic ethics and integrity Moral, ethics, deontology, academic integrity - conceptual clarifications. Interdisciplinary and integrative approaches. Academic ethics. Importance of academic integrity. Consequences of lack of academic integrity.</p>	2h	<p>Onsite scenario: interactive lecture, debating texts, case studies, problematization, heuristic conversation.</p> <p>Online scenario: interactive lecture, case studies, problematization, questions and discussions using collaborative platforms (MS Teams, etc.)</p>	<p>Capitalizing on students' previous acquisitions. They are encouraged to ask questions.</p>
<p>2. Institutional instruments for the promotion of academic ethics Ethics and academic integrity in the University Charter and in the Codes of Ethics and Integrity of the national universities. Ethics Commissions. Academic responsibilities and rights. Ethical and unethical academic conduct - effects, sanctions</p>	2h		
<p>3. Standards of integrity in the field of didactic activity in higher education The didactic process - approach from the perspective of integrity. Specific relationships, types of behaviors for teachers, students, other beneficiaries of the teaching process. National and international best practices</p>	2h		
<p>4. Scientific research activity - specific integrity standards Scientific research and professional development of the intellectual. Good conduct in scientific research. Teamwork in scientific research. Intellectual property: copyright, patent, trademark</p>	2h		
<p>5. Standards for the elaboration of scientific papers</p>			

Rules regarding the study completion work. The structure of a scientific paper. Citation and bibliography. Scientific report. Scientific article. Scientific research project	2h		
6. Ethical issues in the elaboration of scientific papers Plagiarism and self-plagiarism as forms of university fraud - prevention actions and ways of combating. Other ethical aspects of research and publication: falsification and fabrication of data, ghost writing, repeated publication of the same content etc., whistleblowers, authorship of scientific articles, peer review, open access policy etc. Electronic means of verifying the originality of works: advantages, limits	2h		
7. Legislative regulations on the subject. Future and perspectives: illusion made reality, institutionalization of ethics Ways to promote academic integrity in academia. Recommendations for developing a culture of academic integrity.	2h		
Bibliography <ol style="list-style-type: none"> Papadima, L. (coord.). (2017). <i>Deontologie academică. Curriculum cadru</i>. București: Editura Universității din București, disponibil la http://mepopa.com/Pdfs/papadima_2017.pdf. Socaciu, E., Vică, C., Mihailov, E., Gibea, T., Mureșan, V., Constantinescu, M. (2018). <i>Etică și integritate academică</i>. București: Editura Universitatii din Bucuresti, disponibil la https://deontologieacademica.unibuc.ro/wp-content/uploads/2018/11/Etica-si-integritate-academica.pdf. Șarpe, D., Popescu D., Neagu A., Ciucur, V. (2011). <i>Standarde de integritate în învățământul universitar</i> (ediție online), UEFISCDI, București, disponibil la http://uefiscdi.gov.ro. Șercan, E. (2017). <i>Deontologie academică. Ghid Practic</i>. București: Editura Universității din București. Ștefan, E. E. (2018). <i>Etica și integritate academică</i>. București: Editura Pronuniversitaria. *** ALLEA (ed.). (2017). <i>The European Code of Conduct for Research Integrity</i> (Revised Edition). Berlin: ALL European Academies, disponibil la http://ec.europa.eu/research/participants/data/ref/h2020/other/hi/h2020-ethics_code-of-conduct_en.pdf. *** ANOSR și SAR. (2017). <i>Ghid de scriere academică pentru studenți</i>, disponibil la file:///C:/Users/Admin/Desktop/etica/materiale/Ghid-de-scriere-academică-pentru-studenți.compressed-1.pdf. *** Carta Universității Tehnice din Cluj-Napoca, disponibilă la https://www.utcluj.ro/media/page_document/245/Carta_UTCN_actualizata_24aprilie2015.pdf 			

<p>9. *** Legea 319/2003 privind Statutul personalului de cercetare-dezvoltare, publicată în M.O. nr. 530 din 23.07.2003, cu ultima modificare prin Legea nr. 69/2018, publicată în M.O. nr. 245 din 20.03.2018.</p> <p>10. *** Legea 206/2004 (modificată și completată) privind buna conduită în cercetarea științifică, dezvoltarea tehnologică și inovare, publicată în M.O. nr. 505 din 04.06.2004, cu ultima modificare prin O.G. nr. 2/2016, publicată în M.O. nr. 51 din 21.01.2016, aprobată prin Legea nr. 178/2016.</p> <p>11. *** Legea Educației Naționale nr. 1/2011, cu modificările și completările ulterioare, disponibilă la https://legeaz.net/legea-educatiei-nationale-1-2011/.</p>			
8.2. Seminars /Laboratory/Project	Number of hours	Teaching methods	Notes
-	-		
Bibliography			
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9. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

The discipline *Academic Ethics and Integrity* is meant to contribute to the familiarization of master's students with the norms and standards of a moral and ethical nature that give content to the notion of integrity in academic activity. The master's students who successfully complete this course will be able to understand, interpret, properly apply these rules, and identify forms of violations of academic integrity and the sanctions they entail. These competences represent indispensable qualities for master's students for an adequate understanding of the rights and obligations deriving from the quality of membership of the academic community, but they are also necessary for them in their capacity as future engineers in the specialized fields. The content of the discipline is correlated with the need identified both academically and on the labor market, namely the training of adults who are able to apply and respect professional ethics and integrity in their current activity.

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade
10.4 Course	The correctness, completeness and accuracy of the theoretical knowledge approached, the degree of acquisition of the specialized language, the capacity of analysis, synthesis and integration of the acquired knowledge, the capacity of critical argumentation, the capacity to relate the	Summative assessment – exam	60%
		Continuous assessment - presentation of a portfolio with papers developed during the semester	40%

	specialized knowledge with real situations		
10.5 Seminars /Laboratory/Project	-	-	-
10.6 Minimum standard of performance			
<ul style="list-style-type: none"> • acquiring the main notions, ideas, theories, knowledge of basic problems in the field. • operationalization of key concepts. • recognizing and illustrating conflict situations from the perspective of academic ethics and imagining ways to prevent, mediate, resolve them. 			

Date of filling in:		Title Surname Name	Signature
15.06.2024	Lecturer	PhD Peculea Lorena	
	Teachers in charge of application	-	-

Date of approval in the Department of Automation	Head of department Prof.dr.ing. Honoriu Mugurel Vălean

Date of approval in the Faculty of Automation and Computer Science	Dean Prof.dr.ing. Mihaela Dinsoreanu
