SYLLABUS

1. Information about the program

1.1 Higher education institution	Politehnica University Timisoara
1.2 Faculty[1]/ Department [2]	Chemical Engineering, Biotechnologies and Environmental Protection / CLS
1.3 Field of study (name/code[3])	Chemical Engineering / 10.30.50
1.4 Study cycle	License
1.5 Study program (name/code/qualification)	Chemical Engineering / 10.30.50.60 / engineer

2. Information about the discipline

2.1 Name of discipline/ formative category[4]			Ethics and Academic integrity / DC				
2.2 Coordinator (holder) of course activities			Lector.dr. Cosmin BĂIAȘ				
2.3 Coordinator (holder) of applied activities[5]			Lector.dr. Cosmin BĂIAȘ				
2.4 Year of study[6]	I	**2.5** Semester	1	**2.6** Type of evaluation	D	**2.7** Regime of discipline[7]	DO

3. Total estimated time – hours / semester: direct teaching activities (fully assisted or partly assisted) and individual training activities (unassisted) [8]

3.1 Number of fully assisted hours / week	2 of which:	**3.2** course	1	**3.3** seminar / laboratory / project	1/0/0
3.1* Total number of fully assisted hours / semester	28 of which:	**3.2*** course	14	**3.3*** seminar / laboratory / project	14/0/0
3.4 Number of hours partially assisted / week	of which:	**3.5** training		**3.6** hours for diploma project elaboration	
3.4* Total number of hours partially assisted / semester	of which:	**3.5*** training		**3.6*** hours for diploma project elaboration	
3.7 Number of hours of unassisted activities / week	1.57 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			0.5
		hours of individual study after manual, course support, bibliography and notes			0.5
		training seminars / laboratories, homework and papers, portfolios and essays			0.57
3.7* Number of hours of unassisted activities / semester	22 of which:	additional documentary hours in the library, on the specialized electronic platforms and on the field			7
		hours of individual study after manual, course support, bibliography and notes			7
		training seminars / laboratories, homework and papers, portfolios and essays			8
3.8 Total hours / week [9]	3.57				
3.8* Total hours /semester	50				
3.9 Number of credits	2				

4. **Prerequisites** (where applicable)

4.1 Curriculum	•
4.2 Competencies	•

[1] The name of the faculty which manages the educational curriculum to which the discipline belongs
[2] The name of the department entrusted with the discipline, and to which the course coordinator/holder belongs.
[3] The code provided in HG - on the approval of the Nomenclature of fields and specializations / study programs, annually updated.
[4] Discipline falls under the educational curriculum in one of the following formative disciplines: Basic Discipline (DF), Domain Discipline (DD), Specialist Discipline (DS) or Complementary Discipline (DC).
[5] Application activities refer to: seminar (S) / laboratory (L) / project (P) / practice/training (Pr).
[6] Year of studies in which the discipline is provided in the curriculum.
[7] Discipline may have one of the following regimes: imposed discipline (DI) or compulsory discipline (DOb)-for the other fundamental fields of studies offered by UPT, optional discipline (DO) or optional discipline (Df).
[8] The number of hours in the headings 3.1 *, 3.2 *, ..., 3.8 * is obtained by multiplying by 14 (weeks) the number of hours in headings 3.1, 3.2, ..., 3.8. The information in sections 3.1, 3.4 and 3.7 is the verification keys used by ARACIS as: (3.1) + (3.4) ≥ 28 hours / wk. and (3.8) ≤ 40 hours / wk.
[9] The total number of hours / week is obtained by summing up the number of hours in points 3.1, 3.4 and 3.7.

5. **Conditions** (where applicable)

5.1 of the course	• Classroom, laptop, projector, blackboard, internet connection;
5.2 to conduct practical activities	• Classroom, laptop, projector, blackboard, internet connection;

6. **Specific competencies** acquired through this discipline

Specific competencies	• Ability to comply with the rules of institutional ethics and deontology; • Ability to interact ethically and professionally; • Understanding and assimilating the concepts of professional ethics; • Applying professional ethics and professional integrity in the community and profession; • Strengthening personal integrity and responsibility on a professional level
Professional competencies ascribed to the specific competencies	• - Analyse production processes for improvement; • - Manage chemical testing procedures; • - Test materials; • - Write technical reports • -Performs chemical experiments • -Approve engineering design • -Assess environmental impact

Transversal competencies ascribed to the specific competencies

- - Conduct quality control;
- - Apply scientific, technological and engineering knowledge;
- - Uses equipment, instruments or technological equipment accurately.

•

7. **Objectives of the discipline** (based on the grid of specific competencies acquired - pct.6)

7.1 The general objective of the discipline	• Forming an academic and deontological coduct for U.P.T. students
7.2 Specific objectives	• Training and skills acquisition

8. **Content** [10]

8.1 Course	Number of hours	Teaching methods [11]
1.Conceptual Delimitations(Ethics, Deontology,Norms,Values and Principles	2	Interactive methods. Lecture (exposition) supported by PPT presentations, discussions, explanations, examples, demonstrations, case studies
2. Ethical Theory (virtue ethics, utilitarianism, ethical Kantianism, ethical relativism)	2	
3.Academic Writing a.Model "They say / I say" b. Model "They say" Summarizing and Quoting; c.Model "I say": Agreement, Disagreement, Agreement and Disagreement simultaneously	2	
4. Plagiarism and its forms	2	

[10] It details all the didactic activities foreseen in the curriculum (lectures and seminar themes, the list of laboratory works, the content of the stages of project preparation, the theme of each practice stage). The titles of the laboratory work carried out on the stands shall be accompanied by the notation "(*)".

[11] Presentation of the teaching methods will include the use of new technologies (e-mail, personalized web page, electronic resources etc.).

a. Specificity of Plagiarism and Self-plagiarism; b. Types of Plagiarism		
5. Academic Integrity. Corrupt Forms of Academic Integrity and Dishonesty. a. Specificity of Academic Integrity, b. Corrupt Forms of Academic Integrity, c. Dishonest Behavior	2	
6. Legal Aspects of Deviations from Good Academic Conduct a. Intellectual Property; b. Academic Discipline – as part of Work Discipline	2	
7. Consequences and Legal Penalties a. Consequences regarding the Intellectual Property; b. Disciplinary Consequences; c. Criminal Consequences	2	

Bibliography [12]

1. Băiaș, Cosmin. 2020. Critical Thinking, Activism and Applied Ethics, în Professional Communication and Translation Studies, vol. 13, Politehnica University Press, Timișoara, pp. 19-25.
2. Băiaș, Cosmin. 2011. Wittgenstein și confuziile filosofice. Editura Eurobit, Timișoara.
3. Băiaș, Cosmin; Luminosu, Caius; Suciu, Sorin. Etică și integritate academică. Suport de curs.
4. Codul de etică și deontologie al Universității Politehnica Timișoara, https://www.upt.ro/img/files/2014-2015/etica/Codul_de_etica_CartaUPT-Anexa1.pdf, accesat la 30.09.2021.
5. Graff, Gerald și Birkenstein, Cathy. 2015. Manual pentru scrierea academică: Ei spun / Eu spun. Editura Paralela 45, Pitești.
6. Ministerul educației și cercetării. (2020). Ghid de integritate în cercetarea academică. București: https://www.research.gov.ro/uploads/sistemul-de-cercetare/organisme-consultative/cnecsdti/2020/ghid-integritate-in-cercetarea-stiintifica-cne-2020.pdf, accesat la 08.10.2021
7. Papadima, Liviu (coord.). 2018. Deontologie academică: curriculum-cadru. Editura Universităţii din Bucureşti, București.
8. Singer, Peter. 2006. Tratat de Etică. Editura Polirom, Iași.
9. Șercan, Emilia. 2017. Fabrica de doctorate sau Cum se surpa fundamentele unei nații. Editura Humanitas, București.
10. Weber-Wulff, D. 2014. False Feathers. A perspective on Academic Plagiarism. Springer, New York

8.2 Applied activities [13]	Number of hours	Teaching methods
1. Debate about the specifics and role of academic ethics	2	Interactive methods. Discussions, explanations, examples, case studies. Presentation and debate on given topics.
2. Values of integrity in scientific research	2	
3. Recommended practices for ensuring integrity in research	2	
4. Guide for identifying plagiarism in scientific papers	2	
5. Principles in plagiarism analysis and best practices	2	
6. Rules of conduct: mandatory and desirable rules from the UPT Code of Ethics and Deontology	2	
7. Individualization of applicable sanctions for ethical deviations from the UPT Code of Ethics and Deontology	2	

Bibliography [14]

1. Băiaș, C.; Luminosu L. & Suciu, S. 2021. Teaching Ethics and Academic Integrity – educational challenges and institutional contexts, în ICERI2021 Proceedings 14th annual International Conference of Education, Research and Innovation, pp. 1684-1689. doi: 10.21125/iceri.2021.0462
2. CNECSDTI. (2020). Ghid de integritate în cercetarea academică. București: https://www.research.gov.ro/uploads/sistemul-de-cercetare/organisme-consultative/cnecsdti/2020/ghid-integritate-in-cercetarea-stiintifica-cne-2020.pdf, accesat la 04.10.2023.
3. Graff, G. & Birkenstein, C. (2015). Manual pentru scrierea academică: Ei spun/Eu spun. Pitești: Editura Paralela 45.

[12] At least one title must belong to the discipline team and at least one title should refer to a reference work for discipline, national and international circulation, existing in the UPT library.
[13] Types of application activities are those specified in footnote 5. If the discipline contains several types of applicative activities then they are sequentially in the lines of the table below. The type of activity will be in a distinct line as: "Seminar:", "Laboratory:", "Project:" and / or "Practice/training".
[14] At least one title must belong to the discipline team.

4. UPT. (2015). Codul de etică și deontologie al universității Politehnica Timișoara. Timișoara: https://www.upt.ro/img/files/2014-2015/etica/Codul_de_etica_CartaUPT-Anexa1.pdf, accesat la 04.10.2023.

9. Corroboration of the content of the discipline with the expectations of the main representatives of the epistemic community, professional associations and employers in the field afferent to the program

- The discipline is found in the curriculum of the universities: Babes-Bolyai University of Cluj-Napoca, University of Bucharest. The discipline is compulsory by Order of MNE No. 3131/2018 of 30 January 2018, which was published in the Official Gazette, No. 140 of 14 February 2018.
- The discipline contributes to the regulation of the national anti-corruption strategy 2016 – 2020 in the academic community and engineering professions

10. Evaluation

Type of activity	**10.1** Evaluation criteria [15]	**10.2** Evaluation methods	**10.3** Share of the final grade
10.4 Course	Students should know: the standards of ethics and academic integrity and the way these are implemented in U.P.T; writing requirements of a scientific work; the types of penalties applicable in the case of non-compliance with the norms of ethics and academic integrity	Written exam (grid test for the evaluation of concepts and knowledge) / verbal evaluation / project, essaies; in the online form, the evaluation is done through the UPT virtual campus in the form of an essay	50%
10.5 Applied activities	**S:** Students should participate to the analysis and synthesis of the concrete situations disscused and formulated themes of the seminars	Active attendance at seminars (answers, questions, debates, etc.);essaies on the given topics, grid-type quiz;	50%
	L:		
	P[16]**:**		
	Pr:		
10.6 Minimum performance standard (minimum amount of knowledge necessary to pass the discipline and the way in which this knowledge is verified [17])			
• Understanding of the main concepts of academic ethics and integrity; • Understanding the ways of implementing the concepts of academic ethics and integrity; • Completion of course and seminar requirements for obtaining a grade at least equal to 5			

Date of completion	**Course coordinator (signature)** Lector dr. Cosmin BĂIAȘ	**Coordinator of applied activities (signature)** Lector dr. Cosmin BĂIAȘ
Head of Department (signature) Prof.dr. Vasile GHERHEȘ	**Date of approval in the Faculty Council** [18]	**Dean (signature)** Ș.L.dr.ing. Mircea Laurențiu DAN

[15] Syllabus must contain the procedure for assessing the discipline, specifying the criteria, methods and forms of assessment, as well as specifying the weightings assigned to them in the final grade. The evaluation criteria shall be formulated separately for each activity foreseen in the curriculum (course, seminar, laboratory, project). They will also refer to the forms of verification (homework, papers, etc.)

[16] In the case where the project is not a distinct discipline, this section also specifies how the outcome of the project evaluation makes the admission of the student conditional on the final assessment within the discipline.

[17] It will not explain how the promotion mark is awarded.

[18] The endorsement is preceded by the discussion of the board's view of the study program on the discipline record.