SYLLABUS

1. Information about the program

1.1 Higher education institution	**POLITEHNICA UNIVERSITY OF TIMISOARA**
1.2 Faculty[1] / Departament[2]	Chemical Engineering, Biotechnologies and Environmental Protection/CAICON +CAICAM
1.3 Field of study (name/code[3])	Chemical Engineering / 10.30.50
1.4 Ciclul de studii	License
1.5 Study program (name/code/qualification)	Chemical Engineering / 10.30.50.60 / engineer

2. Information about discipline

2.1 Name of discipline[4]/Formative category[5]			Development of the diploma project				DS
2.2 Coordinator / holder of the applied activities			The coordinating teacher				
2.3 Year of study	4	**2.4** Semesterl	8	**2.5** Type of evaluation	C	**2.6** Regime of discipline	DI
2.7 Academic year[6]	2024-2025	**2.8.** Code of discipline	L095.24.08.S6				

3. Total estimated time (of partially assisted practical activities)

3.1 Number of hours / week	7,14
3.2 Total of hours in the curricullum	100
3.3 Number of credits	4

4. Prerequisites

4.1 Curriculum	• The subjects of study in the education plan must be promoted
4.2 Competences	•

5. Mission of the discipline Development of the diploma / bachelor thesis project

5.1 Mission	• Ensuring the possibility for graduates to complete a thesis
5.2 Operating conditions of the activity for the discipline of Development of the diploma / bachelor thesis project	• Students will comply with the rules in the field of safety and health at work, PSI, as well as the disciplinary rules specific to the workplace in the premises of the company where they carry out their practice, respectively the laboratories where they make the experimental determinations.

6. Competences[7] aquired through the discipline according to its stated mission

Specific competences	• - Learning how to carry out the professional activity in an industrial, research or laboratory unit specific to the proposed field and topic • - Following and understanding real processes and analyzing them in accordance with the theme proposed for the diploma project • - Applying the knowledge acquired in the fundamental, field or specialty disciplines to the situation in the units where the practice is carried out.
Professional competences ascribed to specific competences	• - Analyse production processes for improvement; • - Manage chemical testing procedures; • - Write technical reports • -Performs chemical experiments • -Assess environmental impact

[1] The name of the faculty which manages the educational curriculum to which the discipline Development of the diploma / bachelor thesis project belongs.
[2] The name of the department which shall coordinate and evaluate the discipline Development of diploma / bachelor thesis project.
[3] The code provided in HG - on the approval of the Nomenclature of fields and specializations / study programs, annually updated.
[4] The undergraduate studies graduation paper bears the name of Diploma thesis project for the fundamental domain Engineering studies and the name of Bachelor thesis for other fundamental domains study programs offered by the UPT.
[5] The formative category shall be assigned according to the specific standards of ARACIS..
[6] The academic year shall be correlated with the code of the discipline. E.g..: code Lxxx.20.yy.zz for the discipline Development of the diploma / bachelor thesis project indicates the academic year 2020/2021.
[7] Specific competences shall be formulated according to the objectives of the discipline Development of the diploma / bachelor thesis project. Only those professional and transversal competences from the curricullum shall be inscribed to the formation of which the specific compenteces contribute.

Transversal competences ascribed to the specific competences	• - Apply scientific, technological and engineering knowledge; • - Uses equipment, instruments or technological equipment accurately.

7. Objectives of discipline (associated to compentences at point 6))

7.1 General objective of discipline	• Elaboration of a complex work under the guidance of a teacher •
7.2 Specific objectives	• Realization of a specific technological work (project) combined with an experimental part depending on the decision of the coordinator, the correct management of resources and the quality of a complex project

8. Theme of discipline Development of the diploma / bachelor thesis project[8]

8.1 Theme of the diploma / bachelor thesis project	
- Technological process documentation, experimental part documentation - Development of the technological part of the diploma project according to the approved methodology - Practical activity for the elaboration of the experimental part: syntheses, analyses, chemical kinetics, comparative evaluations of some products, etc. - Interpretation of the results and drafting of the project.	
8.2 Types of activities	**8.3** Duration
Documentation and practical applications	100 hours

9. Student tasks[9]

- Documentation for the two parts of the project.
- Realization of the technological part in accordance with the requirements of the received theme.
- Realization of the experimental part (syntheses, analyses, modeling, simulations - according to the received theme

-Analysis and interpretation of results. Conclusions.

10. Evaluation

10.1 Evaluation criteria	**10.2** Evaluation methods	**10.3** Share of the criterium to the final grade
Development of the diploma / bachelor thesis project	Analysis of the diploma / bachelor thesis project	100%
10.4 Minimum performance standard (minimum amount of knowledge necessary to pass the discipline and the way in which such knowledge is verified [10])		
The development of the diploma / bachelor thesis project shall be finished within the deadline and under the conditions communicated by the coordinator.		

Date of approval in the Faculty Council [11]

Date of completion

[8] Given that, for any undergraduate program, the specific themes of the graduation thesis projects may vary, sections 8.1 and 8.2 shall comprise unique structures for the presentation of the specific theme and its associated activities. Such structures shall be decided upon by the subject area board, according to the regulations of the Faculty Council, which shall be developed according to the Regulations regarding the Organization and Development of the Undergraduate Programs in force within the UPT, and to the Regulations regarding the Organization and Operating Conditions of the graduation examinations within the UPT, http://www.upt.ro/Informatii_reglementari-referitoare-la-ciclul-de-licenta_187_ro.html . The adopted structures shall be compulsory for any coordinator / tutor of graduation thesis projects upon their listing of themes for diploma / bachelor thesis projects.

[9] Students' Tasks shall be dercided upon according to Sarcinile studentului se sintetizează în concordanță cu *Regulations regarding the Organization and Development of the Undergraduate Programs in force within the UPT, and to the Regulations regarding the Organization and Operating Conditions of the graduation examinations within the UPT*, or according to the regulations adopted by the Faculty Council.

[10] The section will not elaborate on the graduation criteria, but on the results based on which the minimum grade shall be awarded.

[11] The approval shall be preceded by a discussion within the faculty council regarding the point of view of the board that coordinates the respective study program as per the syllabus of the discipline Development of the diploma / bachelor thesis project.

Dean (signature)	Head of Department (signature)
Lecturer dr.eng. Mircea Laurențiu DAN	Lecturer dr.eng. Andra TĂMAȘ As.Prof.dr.eng. Andrea KELLENBERGER