SYLLABUS

1. Data about the program of study

1.1	Institution	Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Electrical Engineering
1.3	Department	Electrotechnics and Measurements
1.4	Field of study	Electrical Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/ Qualification	Electrical System Cluj-Napoca in English language
1.7	Form of education	Full time
1.8	Subject code	62.00

2. Data about the subject

2.1	Subject name				Defence of Diploma Thesis	
2.2	Course responsible/ lecturer				Teaching staff involved in thesis coordination – Prof. Dr. Eng. Dan Doru Micu – Dan.Micu@ethm.utcluj.ro	
2.3	Teachers in charge of Seminars/ Laboratory/ Project				Teaching staff involved in thesis coordination – Prof. Dr. Eng. Dan Doru Micu – Dan.Micu@ethm.utcluj.ro	
2.4 Year of study		IV	2.5 Semester	2	2.6 Type of assessment *(E – exam, C – colloquium, V – verification)*	E
2.7 Subject category		*DF – fundamental, DD – in the field, DS – specialty, DC – complementary*				DS
		DI – compulsory, DO – elective, Dfac – optional				DI

3. Estimated total time

3.1 Number of hours per week:		of which	3.2 Course		3.3 Seminar		3.3 Laboratory		3.3 Project	
3.2 Total hours per semester		of which	3.5 Course		3.6 Seminar		3.6 Laboratory		3.6 Project	

3.7 Individual study:	
(a) Manual, lecture material and notes, bibliography	
(b) Supplementary study in the library, online and in the field	
(c) Preparation for seminars/laboratory works, homework, reports, portfolios, essays	
(d) Tutoring	
(e) Exams and tests	
(f) Other activities	
3.8 Total hours of individual study *[sum (3.7(a) to 3.7(f))]*	
3.9 Total hours per semester *[sum of 3.4 and 3.8]*	
3.10 Number of credit points	10

4. Prerequisites (where applicable)

4.1	Curriculum	Knowledge covered in the courses from the university curriculum
4.2	Competences	

5. Requirements (where appropriate)

5.1	For the course	On line or on site
5.2	For the applications	

6. Specific competences

Professional competences	Ability to deliver a concise and intuitive presentation of the main objectives achieved and results obtained upon completion of the bachelor thesis Ability to logically and clearly present the theoretical and practical components included in the thesis Ability to apply acquired knowledge about power systems during the question session with the examination committee
Cross competences	Promoting logical, convergent and divergent reasoning, practical applicability, evaluation, and self-evaluation in decision-making Efficient use of language skills and knowledge of information and communication technology Promoting initiative, dialogue, cooperation, a positive attitude, respect for others, diversity and multiculturalism, and continuous improvement of one's own activity

7. Discipline objectives (based on specific competencies acquired)

7.1	General objective	Completion of a bachelor thesis that addresses a current topic in Electrical Systems
7.2	Specific objectives	Establishing the research objectives and carrying out the research plan Synthesizing the documentation related to the bachelor thesis Completing the bachelor thesis Creating a concise and intuitive presentation of the main objectives achieved and the results obtained upon finalizing the bachelor thesis

8. Contents

8.1. Course (Lectures)		Number of hours	Teaching methods	Additional remarks
1	NOT APPLICABLE			
Bibliography				
8.2. Applications - Seminar /Laboratory/Project		Number of hours	Teaching methods	Additional remarks
1	NOT APPLICABLE			
Bibliography				

9. Alignment of course content with expectations of the epistemic community, professional associations, and representative employers in the field

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10. Assessment

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade (%)

10.4 Evaluation test 1	Assessment of fundamental and specialized knowledge (N1)	On line / on site	50%
10.5 Evaluation test 2	Presentation and public defense of the bachelor thesis (N2)	On line / on site	50%
10.6 Minimum standard of performance: N1 and N2 ≥ 5 Grade calculation formula: N = (N1 + N2) / 2 and N ≥ 6			

Date of completion	Lecturers	Title/ Surname/ Name:	Signature
16.09.2024	Course	All teaching staff	
	Applications Seminar/ Laboratory/ Project	All teaching staff	

Date of approval in the ETHM Department Council September 2024	**Head of Department:** Prof. Eng. MICU Dan Doru, PhD
Date of approval in the Faculty of Electrical Engineering Council September 2024	**Dean:** Assoc. Prof. Eng. CZIKER Andrei, PhD