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	61.00

2. Data about the subject

2.1	Subject name				Practice for Development of Graduation Project	
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					
2.4 Year of study		4	2.5 Semester	2	2.6 Type of assessment *(E – exam, C – colloquium, V – verification)*	V
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	70	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))]*	55
3.9 Total hours per semester *[sum of 3.4 and 3.8]*	125
3.10 Number of credit points	5

4. Prerequisites (where applicable)

4.1	Curriculum	N/A
4.2	Competences	N/A

5. Requirements (where appropriate)

5.1	For the course	
5.2	For the applications	Attendance at research activities is mandatory

6. Specific competences

Professional competences	
Cross competences	Identifying the objectives to be achieved, available resources, completion conditions, work stages, timelines, deadlines, and associated risks. Efficient use of informational sources and resources for communication and professional training (Internet portals, specialized software applications, databases, online courses, etc.), both in Romanian and in an international language.

7. Discipline objectives (based on specific competencies acquired)

7.1	General objective	Completion of the technical documentation for the bachelor thesis and its practical application
7.2	Specific objectives	Synthesizing the documentation related to the bachelor thesis Monitoring the achievement of the research objectives and the entire research program Preparing the written and graphical documentation for the bachelor thesis

8. Contents

8.1. Course (Lectures)		Number of hours	Teaching methods	Additional remarks
1				
Bibliography It is established by each bachelor thesis supervisor individually.				
8.2. Applications - Seminar /Laboratory/Project		Number of hours	Teaching methods	Additional remarks
1	Monitoring the achievement of research objectives and the entire research program. Theoretical and practical study of relevant electromechanical systems	20	Experimentation, discussions, involvement in practical activity	
2	Use of specialized software tools. Following the steps of the research program	20		
3	Preparation of technical documentation. Editing and presenting the completed technical documentation	20		
Bibliography				

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

The requirements and expectations of the industrial and academic environments are taken into account: well-known companies in the field, collaborators from industrial and economic sectors, and colleagues from other university centres.

10. Assessment

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade (%)
10.4 Course	N/A		
10.5 Laboratory			
10.5 Project	Practical activity (PASSED / FAILED)	Activity monitoring and periodic evaluation	100%
10.6 Minimum standard of performance: Completion of the technical documentation related to the bachelor thesis project.			

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