SYLLABUS

1. Program information

1.1 Higher education institution	Technical University of Cluj-Napoca
1.2 Faculty	Faculty of Electronics, Telecommunications and information Technology
1.3 Department	Communications
1.4 Field of study	Electronic Engineering, Telecommunications and Information Technologies
1.5 Cycle of study	Bachelor of Science
1.6 Study program / Qualification	Telecommunications Technologies and Systems/ Engineer, Applied Electronics/Engineer
1.7 Form of education	IF – full-time education

2. Course information

2.1 Course title	Diploma Project Defense			Course code		TST-E60.00/
2.2 Course coordinator						
2.3 Seminar/ laboratory/ project/ practical activity coordinator						
2.4 Year of study	4	2.5 Semester	8	2.6 Type of assessment		E
2.7 Course status	Formative category					DS
	Optionality					DOB

3. Estimated total time

3.1 Hours per week	-	of which:	3.2 Lecture	-	3.3 Seminar	-	3.3 Laboratory	-	3.3 Project	-	3.3 Practical training	-
3.4 Hours per semester	-	of which:	3.5 Lecture	-	3.6 Seminar	-	3.6 Laboratory	-	3.6 Project	-	3.3 Practical training	-

3.7 Time distribution (hours per semester) for individual study and assessment:	
(a) Assessment	-
(b) Study using textbook, course materials, bibliography, and notes	-
(c) Additional documentation in the library, on specialized electronic platforms, and in the field	-
(d) Preparation for seminars/laboratories, assignments, reports, portfolios and essays	-
(e) Tutoring	-
(f) Other activities	-
3.8 Total hours of individual study and assessment (sum of (3.7(a)...3.7(f))	-
3.9 Total hours per semester (3.4+3.8)	-
3.10 Number of credits	10

4. Prerequisites (where applicable)

4.1 curriculum	N/A
4.2 competencies	N/A

5. Requirements (where applicable)

5.1. for the development of the lecture	Cluj-Napoca
5.2. for the development of the seminar/ laboratory/ project	Cluj-Napoca

6. Specific competencies acquired

Professional competencies	N/A
Transversal competencie	N/A

7. Expected learning outcomes

Knowledge	N/A
Skills	N/A
Responsibility and autonomy	N/A

8. Course objectives (based on the grid of specific competencies acquired)

8.1 General objective of the course	B.Sc. degree in Telecommunications Technologies and Systems
8.2 Specific objectives	Obtaining of two marks for the diploma thesis: 1. Fundamental and specialized knowledge 2. Diploma project

9. Contents

9.1. Activities	No. of hours	Teaching methods	Remarks
N/A			
References: 1. Recommended by the Diploma Thesis Coordinator **On-line references:** 2. Recommended by the Diploma Thesis Coordinator			

10. Alignment of the course contents with the expectations of the epistemic community, professional associations, and representative employers in the field related to the program

The discipline content and the acquired skills are in agreement with the expectations of the professional Competences acquired will be used in the following COR occupations (Electronics Engineer; Telecommunications Engineer; Electronics Design Engineer; System and Computer Design Engineer; Communications Design Engineer) or in the new occupations proposed to be included in COR (Sale Support Engineer; Multimedia Applications Developer; Network Engineer; Communications Systems Test Engineer; Project Manager; Traffic Engineer; Communications Systems Consultant).

11. Assessment

Activity type	11.1 Assessment criteria	11.2 Assessment methods and type of assessment: summative	11.3 Weight in final grade
11. 4 Fundamental and specialized knowledge	The level of acquired theoretical knowledge related to diploma thesis and other fields of the specialization	Oral exam	M1, 50% Each member of the board will give an integer mark (1…10). M1 is calculated as the average with two decimals of the marks given by each member (usually five members)
11.5 Diploma Project	The level of acquired practical skills	Oral exam Practical demonstration	M2, 50% Each member of the board will give an integer mark (1…10). M2 is calculated as the average with two decimals of the marks given by each member (usually five members)
11.6 Minimum performance standard ***Qualitative point of view*** *Minimal theoretical and practical knowledge:* ✓ B.Sc. degree in Telecommunications Technologies and Systems. *Minimal acquired competences:* ✓ Fundamental and specialized knowledge			

- ✓ Diploma project

Quantitative point of view

- ✓ M1 ≥ 5, M2 ≥ 6 and (M1+M2)/2 ≥ 6

Completion date:	**Course coordinators**	**teaching rank, title First name LAST NAME**	**Signature**
16.06.2026			

Approval of the Head of the Department coordinating the course, only if this differs from the department organizing the study program	Head of Department

Date of approval by the Council of the Communications Department 19.06.2026	Head of Communications Department Prof. Virgil DOBROTA, Ph.D.
Date of approval by the Council of the Faculty of Electronics, Telecommunications and Information Technology 30.06.2026	Dean, Prof. Ovidiu-Aurel POP, Ph.D.