SYLLABUS

1. Data about the program of study

1.1 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 Program of study / Qualification	Telecommunications Technologies and Systems/ Engineer
1.7 Form of education	Full time
1.8 Subject code	TST-E60.00

2. Data about the subject

2.1 Subject name	Diploma Project Defense						
2.2 Subject area	Theoretical area: Methodological area: Analytic area:						
2.3 Course responsible	-						
2.4 Teacher in charge with seminar / laboratory / project	Diploma Thesis Board						
2.5 Year of study	3	2.6 Semester	8	2.7 Assessment	E	2.8 Subject category	DS/DI

3. Estimated total time

3.1 Number of hours per week		of which: 3.2 course		3.3 applications	
3.4 To Total hours in the curriculum		of which: 3.5 course		3.6 applications	
Distribution of time					Hours
Manual, lecture material and notes, bibliography					
Supplementary study in the library, online specialized platforms and in the field					
Preparation for seminars / laboratories, homework, reports, portfolios and essays					
Tutoring					
Exams and tests					
Other activities: Practical Work					

3.7 Total hours of individual study	
3.8 Total hours per semester	
3.9 Number of credit points	10

4. Pre-requisites (where appropriate)

4.1 curriculum	N. A.
4.2 competence	N. A.

5. Requirements (where appropriate)

5.1. for the course	N.A.
5.2. for the seminars / laboratories / projects	N.A.

6. Specific competences

Professional competences	N.A.
Cross competences	N.A.

7. Discipline objectives (as results from the key competences gained)

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

8. Contents

8.1. Activities	Teaching methods	Notes
N/A	N/A	N/A
References: 1. Recommended by the Diploma Thesis Coordinator **On-line references** 2. Recommended by the Diploma Thesis Coordinator		

9. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

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).

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade
10.4 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)
10.5 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)

10.6 Minimum standard of performance

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 $\geqslant$ 5, M2 $\geqslant$ 6 and (M1+M2)/2 $\geqslant$ 6

Date of filling in:	Responsible	Title First Name SURNAME	Signature
16.06.2025	Exam	Diploma Thesis Board	

Date of approval in the Council of Communications Department
18.06.2025

Head of Communications Department
Prof. Virgil DOBROTA, Ph.D.

Date of approval in the Council of Faculty of Electronics, Telecommunications and Information Technology
25.06.2025

Dean
Prof. Ovidiu POP, Ph.D.