

## SYLLABUS

### 1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Electronics, Telecommunications and Information Technology
1.3	Department	Communications
1.4	Field of study	Electronics and Telecommunications Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Telecommunications Technologies and Systems
1.7	Form of education	Full time
1.8	Subject code	TST-E58.00

### 2. Data about the subject

2.1	Subject name	Diploma Thesis									
2.2	Subject area	Electronics and Telecommunications Engineering									
2.3	Course responsible/lecturer	Diploma Thesis Board									
2.4	Teachers in charge of applications	Diploma Thesis Board									
2.5	Year of study		2.6	Semester		2.7	Assessment	Exam	2.8	Subject category	DS/DOB

### 3. Estimated total time

Year/ Sem.	Subject name	No. of weeks	Course			Applications			Indiv. study	TOTAL	Credits
			[hours/ week]			[hours/ semester]					
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	Diploma Thesis									10	

3.1	Number of hours per week		3.2	of which, course		3.3	applications		
3.4	Total hours in the curriculum		3.5	of which, course		3.6	applications		
Individual study									Hours
Manual, lecture material and notes, bibliography									
Supplementary study in the library, online and in the field									
Preparation for seminars/laboratory works, homework, reports, portfolios, essays									
Tutoring									
Exams and tests									
Other activities									
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 applications	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 objectives	Graduation in Telecommunications Technologies and Systems
7.2	Specific objectives	Obtaining of two marks for the diploma thesis: <ol style="list-style-type: none"> <li>a. Fundamental and speciality knowledge</li> <li>b. Diploma project</li> </ol>

## 8. Contents

N.A.	Teaching methods	Notes
<b>Bibliography</b> 1. Recommended by the Diploma Thesis Coordinator <b>On-line references</b> 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

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).
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## 10. Evaluations

Activity type	10.1	Assessment criteria	10.2	Assessment methods	10.3	Weight in the final grade
Fundamental and Speciality 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)
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)
10.4 Minimum standard of performance						
$M1 \geq 5, M2 \geq 6$ and $(M1+M2)/2 \geq 6$						

Date of filling in  
01.10.2014

Course responsible  
Diploma Thesis Board

Teachers in charge of applications  
Diploma Thesis Board

Date of approval  
in the department  
01.10.2014

Head of Communications  
Department  
Professor Virgil DOBROTA, PhD