

## PRACTICAL WORK SYLLABUS <sup>1</sup>

### 1. Information about the program

<b>1.1</b> Higher education institution	<b>Politehnica University Timisoara</b>		
<b>1.2</b> Faculty <sup>2</sup> / Department <sup>3</sup>	ELECTRONICS, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGIES / Communications		
<b>1.3</b> Field of study (name/code <sup>4</sup> )	Electronics, Telecommunications and Information Technologies Engineering /202010		
<b>1.4</b> Study cycle/Type of study program <sup>5</sup>	Master / Research Master		
<b>1.5</b> Study program (name/code/qualification)	Communications Networks / 20.20.10		

### 2. Information about discipline

<b>2.1a</b> Type of practical work <sup>6</sup>			Research practice 1			
<b>2.1b</b> Type of practical work in Romanian			Practică de cercetare 1			
<b>2.2</b> Coordinator (holder) of applied activities <sup>7</sup>			Prof. dr. eng. Corina Naftonita			
<b>2.3</b> Year of study <sup>8</sup>	1	<b>2.4</b> Semester	1	<b>2.5</b> Type of evaluation	V	<b>2.6</b> Regime of discipline <sup>9</sup>
<b>2.7</b> Academic year <sup>10</sup>	2025-2026	<b>2.8.</b> Cod of discipline	M232.25.01.C6			DOB

### 3. Total estimated time (direct practical activities, partially assisted activities)

<b>3.1</b> Number of hours fully assisted/week	10.5
<b>3.2</b> Total number of hours fully assisted/sem.	14.29
<b>3.3</b> No. of credits	8

### 4. Prerequisites (where applicable)

<b>4.1</b> Curriculum	• n/a
<b>4.2</b> Learning outcomes	• n/a

### 5. Mission of the Practical Work and conditions for its accomplishment<sup>10</sup>

<b>5.1</b> Mission	• Developing the student's research skills
<b>5.2</b> Conditions required to carry out the practical work	• It is carried out in our own laboratories, in research laboratories, or in partnership with the industry.

### 6. Learning outcomes <sup>11</sup> acquired through practical work in accordance with the mission

Knowledge	<ul style="list-style-type: none"> <li>• C1. The student/graduate knows research methods, techniques and paradigms</li> <li>• C7. The student/graduate knows the principles of professional communication C8. The student/graduate knows the terminology and conventions of technical communication</li> <li>• C8. The student/graduate knows the terminology and conventions of technical communication</li> <li>• C11. The student/graduate knows communication technologies and protocols</li> </ul>
Skills	<ul style="list-style-type: none"> <li>• A7. The student/graduate presents ideas and results in academic/professional contexts</li> <li>• A8. The student/graduate explains complex concepts for different audiences</li> <li>• A9. The student/graduate applies complementary approaches in research projects</li> <li>• A11. The student/graduate selects and applies communication methods appropriate to the context</li> </ul>
Responsibility and autonomy	<ul style="list-style-type: none"> <li>• RA1 The student/graduate independently manages a research process and critically evaluates the results</li> <li>• RA4 The student/graduate ensures the correctness and relevance of the conclusions drawn</li> <li>• RA8 The student/graduate adapts to various professional communication contexts</li> </ul>

## 7. Objectives of the discipline (related to the learning outcomes presented at point 6)

- Developing the student's research skills
- Identifying a topic and correctly presenting it
- Documenting and critically analyzing the current state of the art for the chosen research topic
- Introduction into the management of a research project

## 8. Topics and activities for practical work<sup>12</sup>

### 8.1 Topics for practical work

Documentation and critical analysis of the current state of the art in the field of a specific research topic. The topic chosen is in the field of the master's program, established based on discussion with the coordinator, possibly chosen from a list of topics proposed by teaching staff who have activities in this master's program or by companies

### 8.2 Type of activities

### 8.3 Duration

Scientific analysis and writing, implementation, presentation, management of research activity carried out through: - partially assisted activities

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## 9. Student's assignments<sup>13</sup>

## 10. Evaluation

10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share of the final grade
Knowledge of specialized concepts and terms	Examination by the coordinator	1/2
The manner in which the research report is written is evaluated	Examination by the coordinator	1/2
<b>10.4 Minimum performance standard (minimum amount of knowledge necessary to pass the discipline and the way in which this knowledge is verified<sup>14</sup>)</b>		
<ul style="list-style-type: none"><li>• The student is able to solve a research problem and write a research report based on a process of documentation and individual development of solutions</li></ul>		

### Date of approval in the Faculty Council<sup>15</sup>

07.10.2025

Dean  
(signature)

### Date of completion

22.09.2025

Head of Department  
(signature)

Coordinator of applied activities  
(signature)