

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	<b>ADVANCED METHODS IN MEASURING, COMMAND AND AUTOMATION</b>					Course code	TAIPM IA 104		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DI	Year of study	1	Semester	1	Number of credit points	4

Faculty	Materials Science and Engineering	Number of teaching and learning hours <sup>4</sup>						
Field	Materials Engineering	Total	L	T	LB	P	IS	
Specialization	TAIPM	100	14	-	14	-	72	

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	Not applicable
	Recommended	Not applicable

General objective <sup>6</sup>	Knowing of the advanced techniques in measuring, control, command and adjustment of the hot processing
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• Automation theory</li> <li>• Extremal adjusting</li> <li>• Complex and optimal management of the processing</li> <li>• Fiability, mentenability and using of the automation equipments</li> </ul>
Course description <sup>8</sup>	Automatic adjusting system, extremal adjusting, complex and optimal management of the processing

Assesment			Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> :	Class tests along the semester	-%	Week 14	80% (minimum 5)
	Home works	-%		
	Other activities	-%		
	Examination procedures and conditions: Probe 1: Subject with open questions working conditions oral; percent of the final grade 100%;	100% (minimum grade 5)		
B. Seminar	Activity during seminar			-% (minimum 5)
C. Laboratory	Acttivity during laboratory			20% (minimum 5)
D. Project	Activity during project			-% (minimum 5)

Course organizer	Lecturer Phd. Eng. ELENA CHIRILĂ
Teaching assistants	Lecturer Phd. Eng. ELENA CHIRILĂ

<sup>1</sup>Course name from the curriculum

<sup>2</sup>DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup>DI – imposed, DO – optional, DL – facultative (from the curriculum)

<sup>4</sup>Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

<sup>5</sup>According to 4.1 – Pre-requisites - from the Course guide – extended form

<sup>6</sup>According to 7.1 from the Course guide – extended form

<sup>7</sup>According to 7.2 from the Course guide – extended form

<sup>8</sup>Short description of the course, according to point 8 from the Course guide – extended form

<sup>9</sup>For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>10</sup>A minimum grade might be imposed for some assessment stages

<sup>11</sup>Exam or colloquium