

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	<b>CRYOGENIC THERMAL TREATMENTS</b>					Course code	TAIPM IA 113		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DO	Year of study	1	Semester	2	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>	Professional specific designs in cryogenic thermal treatments and applications
Specific objectives <sup>7</sup>	Using of the cryogenic thermal treatments for the increasing of the quality of the tools
Course description <sup>8</sup>	Steel hardening, cool producing, cryo-thermic treatment

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	-%	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	Activity 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