

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	<b>ECOLOGY AND SUSTAINABLE DEVELOPMENT</b>					Course code	TAIPM IA 208		
Course type <sup>2</sup>	DA	Category <sup>3</sup>	DO	Year of study	2	Semester	3	Number of credit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours <sup>4</sup>						
Field	Materials Engineering	Total	L	T	LB	P	IS	
Specialization	TAIPM	125	28	14	-	-	83	

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

General objective <sup>6</sup>	Environmental protection in the context of the sustainable development of humanity.
Specific objectives <sup>7</sup>	Explaining the general concepts of ecology (ecosystem, biosphere, environment, ecological factors, chains and trophic networks), pollution sources and pollutant types.
Course description <sup>8</sup>	Notions of ecology, environmental pollution: water, air, soil - environmental protection.

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	%		50 % (minimum 5)
	Home works	10 %	Week 14	
	Other activities	%		
	Examination procedures and conditions: Probe 1: working conditions oral; percent of the final grade 100%.	90 % (minimum grade 5)	Week 14	
B. Seminar	Activity during seminar			(minimum 5)
C. Laboratory	Activity during laboratory			50 % (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Lecturer Ph.D. Eng. Mădălina Simona Bălțatu	
Teaching assistants	Lecturer Ph.D. Eng. Mădălina Simona Bălțatu	

<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