

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	<b>Mechanics</b>					Course code	1. IMAT.09.DD		
Course type <sup>2</sup>	DD	Category <sup>3</sup>	DI	Year of study	1	Semester	2	Number of credit points	3

Faculty	Material Science and Engineering	Number of teaching and learning hours <sup>4</sup>						
Field	Materials Engineering	Total	L	T	LB	P	IS	
Specialization	Materials Science	75	28	14	-	-	33	

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	
	Recommended	

General objective <sup>6</sup>	Students acquire a minimal luggage of engineering knowledge from the field of mechanics
Specific objectives <sup>7</sup>	Ability to understand the phenomena of mechanical movement and the calculation of some specific dimensions in the modeling of the behavior of points and material bodies in a cinematic and dynamic way.
Course description <sup>8</sup>	The principles of newtonian mechanics

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 2	25%	week 3 and 6	75% (minimum 5)
	Home works	%		
	Other activities	%		
Exam	Examination procedures and conditions: Probe 1: Subject with open questions ; tasks answer to open questions; working conditions oral; percent 100 %.	75% (minimum grade 5)	Exam period	
B. Seminar	Activity during seminar			25% (minimum 5)
C. Laboratory	Acttvity during laboratory			% (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Lecturer Ph.D. Eng. Eugen CORDUNEANU	
Teaching assistants	Lecturer Ph.D. Eng. Eugen CORDUNEANU	

<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