## **COURSE GUIDE MATHEMATICAL ANALYSIS- short form**

Academic year 2024-2025

Course name <sup>1</sup>	Mathematical Analysis				Co	code 1ISI01D	1ISI01DF		
Course type <sup>2</sup>	DF	Category <sup>3</sup>	DI	Year of study	1	Semester	1	Number of credit points	5

Faculty	Material Science and Engineering		Number of teaching and learning hours <sup>4</sup>						
Field	Industrial Engineering		L	Т	LB	Р	IS		
Specialization Safety Engineering in Industry		125	28	28	-	-	69		

Pre-requisites from the curriculum <sup>5</sup>		Algebra, Mathematical Analysis, high-school level (M2 Mathematics)
currentum	Recommended	-

General objective	
Specific objective	
Course descriptio	III Real and vectorial functions of several variables. Limit continuity partial derivatives differentiability

	Assessment	Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
	Class tests along the semester		
A. Final assessment form <sup>11</sup>	Home works		
	Other activities		
	Examination procedures and conditions: Exam Test paper, 5 problems, 100% (minim 5)	Session	70 % (minim 5)
B. Seminar	Activity during seminar	Weekly	30 % (minim 5)
C. Laboratory	Activity during laboratory		
D. Project	Activity during project		

Course organizer	Associate professor Ph.D. Daniela Roșu	
Teaching assistants	Associate professor Ph.D. Daniela Roșu	

<sup>&</sup>lt;sup>1</sup>Course name from the curriculum

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

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

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

<sup>&</sup>lt;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, Pproject, IS-individual study) <sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form

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

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

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

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