

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	MANUFACTURING AND DIAGNOSIS INDUSTRIAL SYSTEMS					Discipline code		SITM IA 109	
Course type ²	DS	Category ³	DI	Year of study	1M	Semester	2	Number of credit points	3

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	SITM					42	-	-	-	-	42

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	The discipline "Maintenance and diagnosis of industrial systems" presents the current general trend of diagnosis of industrial systems and advanced ma..
Specific objectives ⁷	<ul style="list-style-type: none"> - the formation of a systemic thinking for the realization of a connection between the theoretical side and the one applicable to the maintenance and diagnosis of modern systems by specific methods; - ensuring flexibility of student thinking and action, defining features of the future specialist in advanced technologies in the context of market economy
Course description ⁸	Use of specialized knowledge (concepts, theories, methods) for carrying out technical evaluation activities on sustainable development in the field of advanced mechanical engineering.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹	Class tests along the semester	25 %	week	50 % (minimum 5)
	Home works	%		
	Other activities	25 %	week	
	Examination procedures and conditions: 1. -, working conditions -, percent %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	%		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			% (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Lecturer Ph.D. eng. Viorel GRANCEA			
Teaching assistants	Assistent Ph.D. eng. Simona BALTATU			

¹Course name from the curriculum

² DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)

³ DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴ 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)

⁵ According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶ According to 7.1 from the Course guide – extended form

⁷ According to 7.2 from the Course guide – extended form

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

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

¹⁰ A minimum grade might be imposed for some assessment stages

¹¹ Exam or colloquium