

# COURSE GUIDE – short form

Academic year 2017 - 2018

Course name <sup>1</sup>	<b>MANUFACTURING AND DIAGNOSIS INDUSTRIAL SYSTEMS</b>					Codul disciplinei	<b>5 SITM 08</b>		
Course type <sup>2</sup>	<b>DID</b>	Category <sup>3</sup>	<b>DI</b>	Year of study	1	Semester	<b>2</b>	Number of credit points	<b>3</b>

Faculty	Material Science and Engineering					Number of teaching and learning hours <sup>4</sup>					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	EPI					<b>42</b>	-	-	-	-	<b>42</b>

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

General objective <sup>6</sup>	The discipline "Maintenance and diagnosis of industrial systems" presents the current general trend of diagnosis of industrial systems and advanced ma
Specific objectives <sup>7</sup>	- 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 <sup>8</sup>	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 <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester -	week	%
	Activity during tutorials/laboratory works/projects/practical work		25 %
	Assignments -	week	25 %
Final assessment	Final assessment form <sup>11</sup>	-	% (minimum 5)
	Examination procedures and conditions: 1. - ; tasks - ; working conditions - ; percent %; 2. - ; tasks - ; working conditions - ; percent %; 3. - ; tasks - ; working conditions - ; percent %;		

Course organizer	<b>Viorel GRANCEA</b>	
Teaching assistants	<b>Simona Bălțatu</b>	

<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

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<sup>11</sup> Exam or colloquium