

# COURSE GUIDE – short form

Academic year 2017-2018

Course name <sup>1</sup>	<b>Technological devices (2)</b>					Course code	3ISI12DID		
Course type <sup>2</sup>	DID	Category <sup>3</sup>	DO	Year of study	3	Semester	6	Number of credit points	3

Faculty	Material Science and Engineering	Number of teaching and learning hours <sup>4</sup>					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Safety Engineering in Industry	84	28	-	28	-	28

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

General objective <sup>6</sup>	Technical training in machining, as the basis of technical and technological scientific development for the coming years
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• The knowledge base must develop common sense and logical thinking based on a sound technical theoretical.</li> <li>• Technical Thinking should be well connected with economic thinking, so that any technology should be understood as efficient possibility of achieving optimal production and quality.</li> </ul>
Course description <sup>8</sup>	<ul style="list-style-type: none"> <li>• Materials for Mechanical technological devices;</li> <li>• Place and role of devices in the mechanical machining operations;</li> <li>• Systems and Control actuators;</li> <li>• Guidance Scheme for processing and fixing parts;</li> <li>• Design guidance schemes pieces;</li> <li>• Design parts fixing schemes;</li> <li>• System device - blank linked to mass machine – tool;</li> <li>• System device - blank linked to the main shaft;</li> <li>• Stability and rigidity blanks. Errors tightening.</li> </ul>

Assessment		Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester	S7; S12	20%
	Activity during tutorials/laboratory works/projects/practical work	S1 ... S14	20%
	Assignments	-	-%
Final assessment	Final assessment form <sup>11</sup>	Colloquium	60%
	Examination procedures and conditions: 1. T; answer the question closed, working conditions - written response - 40%; 2. T; answer the question closed, working conditions - written response - 40%; 3. T; written response to questions from laboratory work - 20%		

Course organizer	Lecturer Phd. Eng. Diana Antonia GHEORGHIU
Teaching assistants	Lecturer Phd. Eng. Diana Antonia GHEORGHIU

<sup>1</sup>Course name from the curriculum

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

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<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