

# COURSE GUIDE – short form

Academic year 2017-2018

Course name <sup>1</sup>	<b>Technical Drawing and infographics (1)</b>					Course code	1SM05			
Course type <sup>2</sup>	DF	Category <sup>3</sup>	DI	Year of study	1	Semester	1	Number of credit points	4	

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	70	28	-	14	-	28

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

General objective <sup>6</sup>	Obtaining competence in graphical representations in the field of materials engineering.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• Proper interpretation of graphical representations in the field of materials engineering.</li> <li>• Achieving quality graphic representations specific to the field of materials engineering.</li> </ul>
Course description <sup>8</sup>	Projection methods. Systems of double and triple orthogonal projections. Layout of projections. Projection layout systems. Slanted views. Sections, Fractures and Large Scale Detail Representation. Dimensioning. Sketch and scale drawing. Representation scales. Representation, dimensioning and marking of threads. Representation and dimensioning of flanges. Assembly drawing. Geometric constructions. Drawing of semi-fabric. Representation and marking of joints by welding, gluing, sewing. Riveted joints. Marking of tolerances and adjustments. Marking of Surface Condition.

Assessment		Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester	Laboratory work sessions 4 and 5	50 %
	Activity during tutorials/laboratory works/projects/practical work		40 %
	Assignments		%
Final assessment	Final assessment form <sup>11</sup>	colloquium	10 %
	Examination procedures and conditions: 1. Sketch of a medium complexity mechanical piece; percent of the final grade 10 %		

Course organizer	Lecturer.Ph.d.eng. Ion Antonescu
Teaching assistants	Lecturer.Ph.d.eng. Ion Antonescu

<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)

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<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