

# COURSE GUIDE – short form

Academic year 2017-2018

Course name <sup>1</sup>	<b>Radiation protection in industry</b>					Course code	4ISI09DS		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DO	Year of study	4	Semester	7	Number of credit points	4

Faculty	Materials Science And Engineering	Number of teaching and learning hours <sup>4</sup>					
Field	Industrial engineering	Total	L	T	LB	P	IS
Specialization	Security engineering industry	70	28	-	14	-	28

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

General objective <sup>6</sup>	Technical training in the field of electrical safety in the industry, as the basis of technical and technological scientific development for postgraduate activities
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>	<ol style="list-style-type: none"> <li>1. Dosimetry (absorbed dose, dose equivalent);</li> <li>2. Dosimetry environment;</li> <li>3. Measurement of dissymmetric quantities;</li> <li>4. Radioactivity;</li> <li>5. Calculation of dissymmetric quantities;</li> <li>6. Biological effects.</li> </ol>

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	Associate Professor PhD Maria BACIU
Teaching assistants	Associate Professor PhD Maria BACIU

<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

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<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