## COURSE GUIDE – short form

Academic year .2017- 2018

Course name <sup>1</sup>	Tolerances and Dimensional Control			Course code	2ISI18.DID				
Course type <sup>2</sup>	DID	Category <sup>3</sup>	DO	Year of study	=	Semester	Numbe		3

Faculty	Science and Engineering of Materials	Number of teaching and learning hours <sup>4</sup>			ning		
Field	Field Industrial Engineering		L	Т	LB	Р	IS
Specialization Engineering of the security in industry		81	28	-	14	-	39

Pre-requisites from the	Compulsory	-
curriculum⁵	Recommended	Technical drawing

General objective <sup>6</sup>	The knowledge of the main theoretical and practical aspects, needed to resolve the technical projects, refering to how to establish the dimensional and geometrical tolerances of the machines parts; the knowledge of the methods and equipments used to dimensional and geometrical parameters control, how to know to apply a specified control method and how to decide correctly about the machine part measured				
Specific objectives <sup>7</sup>	<ul> <li>knowledge about dimensions, limit deviations, tolerances, fits and categories of fits, form deviations, orientation deviations, relative position of the machines parts surfaces;</li> <li>knowledge about tolerances and fits of specific joints in mechanical assembling (bearings assembling, conical assembling, screwed assembling, chock, connecting gears);</li> <li>knowledge about the methods and universal equipments to control the linear and angular dimensions and geometrical parameters at the simple machines parts integrated in mechanical structures.</li> </ul>				
Course description <sup>8</sup>	Interchangeability, limit deviation, tolerance, fit, dimensional precision, form and relative position precision, roughness parameters, dimensional chains, control, measurement, inspection, measuring method, measuring instruments(gauge blocks, calipers, micrometers), measuring devices (indicator devices, measuring microscope), measuring errors, measuring result.				

	Assessment	Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>	
Class tests along the semester			Weeks 1- 14	25%
Continuous assessment	Activity during tutorials/laborato works/projects/practical work	Weeks 13. 14	25%	
	Assignments			%
	Final assessment form <sup>11</sup>	Exam	Exam session	
Final assessment	Examination procedures and co 1. writing; tasks: to resolve nu conditions: the standard with IS the final grade: 60% 2. orally; tasks: to answer to the conditions: resolving on blackbo %	50%		

Course organizer	Lecturer eng. Florentin CIOATĂ. Ph.D	
Teaching assistants	Lecturer eng. Florentin CIOATĂ. Ph.D	