

# COURSE GUIDE – short form

Academic year 2014-2015

Course name <sup>1</sup>	Servomechanisms					Course code		MSR.DI.D A.511	
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DI	Year of study	II	Semester	III	Number of credit points	8

Faculty	Mechanical Engineering	Number of teaching and learning hours <sup>4</sup>						
Field	MASTER	Total	L	T	LB	P	IS	
Specialization	Robotic systems	56	28		14	14	14	

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	Architecture of robotic systems, Advanced dynamics of robotic systems
	Recommended	

General objective <sup>6</sup>	The discipline aims to form an education of deep specialty in the field of robotic systems. Also, it aims to widen and develop the creative abilities.
Specific objectives <sup>7</sup>	The discipline contains knowledge regarding: servomechanisms, servosystems, automatic tuning systems, regulators, systems control. It is a specialty discipline destined to offer students deep knowledge necessary to design and research in the field of robotic systems. The discipline requires knowledge of robotic systems architecture and advanced dynamics of robotic systems.
Course description <sup>8</sup>	The discipline contains information regarding: servomechanisms, servosystems, automatic tuning systems, regulators, system control.

Assessment			Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester			%
	Activity during laboratory works Discussions and specific theme solving at each laboratory class.		weeks 1 – 14	15%
	Activity during projects. Discussions and specific theme solving at each project class.		weeks 1 – 14	15%
Final assessment	Final assessment form <sup>11</sup>	Exam	exam period	70%
	Examination procedures and conditions: Tasks: theme development and case study. Written work - 2 hours			

Course organizer	S.I.dr.ing. Eugen MERTICARU	
Teaching assistants	S.I.dr.ing. Eugen MERTICARU	

<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)

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<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