

### CURRICULUM

YEAR 1				2019-2020																			
No.	Course name	Course code	Course category	1st Semester					2nd Semester					Unassist. activities (SI)**	Eval.	K							
				Assisted activities*					Unassist. activities (SI)**	Eval.	K	Assisted activities*					Unassist. activities (SI)**	Eval.	K				
				No of hours / week								No of hours / week											
C	S	L	P	PA	C	S	L	P	PA														
DI	1	Sisteme încorporate / Embedded systems	SC.IA.101	DA	2	0	1	0	0	78	E	5											
	2	Modelarea și proiectarea sistemelor robot / Modeling and design of robot systems	SC.IA.102	DA	0	0	0	2	0	68	C	4											
	3	Limbajul Bond Graph în modelarea fizică / Bond graph language in physical modeling	SC.IA.103	DA	1	0	2	0	0	54	C	4											
	4	Metodologii agile de dezvoltare a programelor / Agile software development	SC.IA.104	DS	2	0	1	0	0	78	E	5											
	5	Tehnologii web în comunicații și control / Web technologies in communications and control	SC.IA.105	DA	2	0	1	0	0	78	E	5											
	6	Cercetare științifică și practică / Research and practice (sem. 1)	SC.PA.106	DA	0	0	0	0	12	0	VP A/R	7											
	7	Strategii numerico-experimentale în dinamici structurale / Numerical experimental approach in structural dynamics	SC.IA.107	DA										2	0	1	0	0	54	E	4		
	8	Proiect integrator sisteme și control / Integration project systems and control	SC.IA.108	DS										0	0	0	2	0	68	C	4		
	9	Sisteme inteligente hibride / Hybrid intelligent systems	SC.IA.109	DA										2	0	1	0	0	54	E	4		
	10	Etică și integritate / Ethics and Integrity	SC.IA.110	DS										1	1	0	0	0	20	C	2		
	11	Cercetare științifică și practică / Research and practice (sem. 2)	SC.PA.111	DS										0	0	0	0	10	28	VP A/R	7		
DO	12	Aplicații avansate Matlab pentru sisteme și control / High level MATLAB applications for systems and control	SC.IA.112	DA										1	0	2	0	0	54	C	4		
		Sisteme neliniare / Nonlinear dynamics	SC.IA.113																				
	13	Reprezentarea cunoașterii și raționament / Knowledge representation and reasoning	SC.IA.114	DA										2	0	0	1	0	78	E	5		
	Control în spațiul stărilor / State space control	SC.IA.115																					
Number of hours per week for assisted activities, number and type of assessment activities and credit points per semester, and total hours of unassisted activities				7	0	5	2	12		356	3E	2C	30	8	1	4	3	10		356	3E	3C	30
				14					12					16					10				
				26										26					1VP				

\* Assisted activities are fully assisted (C,S,L,P) and partly assisted (PA) and are conducted over 14 weeks.

\*\* Non-assisted activities (SI) are calculated as total hours per academic year, by the credit points of the subjects (24 hours per credit point); the exam sessions are also included.

**RECTOR,**  
 Prof.univ.dr.ing. Dan Cașcaval

**DEAN,**  
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 Conf.dr.ing. Mihai Postolache

## CURRICULUM

YEAR 2				2020-2021																	
No.	Course name	Course code	Course category	1st Semester						2nd Semester											
				Assisted activities*					Unassist. activities (SU)**	Eval.	K	Assisted activities*					Unassist. activities (SI)**	Eval.	K		
				No of hours / week								No of hours / week									
C	S	L	P	PA	C	S	L	P	PA	C	S	L	P	PA							
DI	1 Managementul proiectelor / Project management	SC.IA.201	DS	2	0	0	2	0	64	C	5										
	2 Modelare și control predictiv / Modeling and predictive control	SC.IA.202	DA	2	0	1	1	0	88	E	6										
	3 Cercetare științifică și practică / Research and practice (sem.3)	SC.PA.203	DS	0	0	0	0	12	0	VP A/R	7										
	4 Cercetare științifică și practică / Research and practice (sem.4)	SC.PA.204	DS									0	0	0	0	12	192	VP A/R	15		
	5 Practică pentru elaborarea disertației / Practice for Master's Thesis	SC.PA.205	DS									0	0	0	0	14	164	C	15		
DO	6 Diazoza proceselor / Fault detection and diagnosis	SC.IA.206	DA	2	0	1	0	0	102	E	6										
	7 Tehnici de automatizare cu echipamente PLC / PLC-based process automation	SC.IA.207																			
	8 Sisteme de control cu servoing / Visual servoing control systems	SC.IA.208	DA	2	0	1	0	0	102	E	6										
	9 Instrumente practice și tehnici pentru data mining / Data mining: practical tools and techniques	SC.IA.209																			
Number of hours per week for assisted activities, number and type of assessment activities and credit points per semester, and total hours of unassisted activities				8	0	3	3	12		3E	30	0	0	0	0	26	356	1C	30		
				14					12	356	1C	30	0					26	356	1C	30
				26						1VP			26								

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\*\* Non-assisted activities (SI) are calculated as total hours per academic year, by the credit points of the subjects (24 hours per credit point); the exam sessions are also included.

\*\*\* Only if study duration is 4 semesters.

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