

CURRICULUM

YEAR 1

2018/2019

No.	Course name	Course code	Course type	Cond.	Semester 1						Semester 2											
					No of hours / week / course					Final eval.	K	No of hours / week / course					Final eval.	K				
					C	S	L	P	SI*			C	S	L	P	SI*						
DI	1	Sisteme încorporate / Embedded systems	AMS101	DA		2	0	1	0	7	E	6										
	2	Teoria sistemelor pentru robotică / System-theory for robotics	AMS102	DA		2	0	1	0	7	E	6										
	3	Limbajul Bond Graph în modelarea fizică / Bond graph language in physical modeling	AMS103	DA		2	0	1	0	7	E	6										
	4	Metodologii agile de dezvoltare a programelor / Agile software development	AMS104	DS		2	0	1	0	7	C	6										
	5	Tehnologii web în comunicații și control / Web technologies in communications and control	AMS105	DA		2	0	1	0	7	E	6										
	6	Strategii numerico-experimentale în dinamici structurale / Numerical experimental approach in structural dynamics	AMS106	DA										2	0	1	0	6	E	5		
	7	Etică și integritate / Ethics and Integrity	AMS107	DS										1	1	0	0	1	C	2		
	8	Proiect integrator / Integration project systems and control	AMS108	DA										2	0	0	1	6	C	5		
DO	9	OP1											2	0	1	0	7	E	6			
	10	OP2											2	0	1	1	6	E	6			
	11	OP3											2	0	1	0	7	E	6			
Number of hours per week, number of evaluations and credits per semester for compulsory (DI) and elective (DO) courses						10	0	5	0	35	4E	30	11	1	4	2	34	4E	30			
						15								18								

Elective course	Control Systems	Course code	Course type	Cond.	Intelligent Systems	Course code	Course type	Cond.
OP1	Aplicații avansate Matlab pentru sisteme și control / High level MATLAB applications for systems and control	AMS109	DS		Sisteme neliniare / Nonlinear dynamics	AMS110	DS	
OP2	Control în spațiul stărilor / State space control	AMS111	DA		Reprezentarea cunoașterii și raționament / Knowledge representation and reasoning	AMS112	DA	
OP3	Rețele de comunicații industriale / Industrial control networks	AMS113	DS		Sisteme inteligente hibride / Hybrid intelligent systems	AMS114	DS	

* Hours of individual study (SI) are calculated as average/week/year, by the credit points of the subjects (24 hours per credit point); the exam sessions are also considered.

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

DECAN,
 Prof.univ.dr.ing. Vasile-Ion Manta

DIRECTOR DEPARTAMENT,
 Conf.dr.ing. Mihai Postolache

CURRICULUM

YEAR 2					2019/2020														
No.	Course name	Course code	Course type	Cond.	Semester 1						Semester 2								
					No of hours / week / course					Final eval.	K	No of hours / week / course					Final eval.	K	
					C	S	L	P	SI*			C	S	L	P	SI*			
DI	1	Managementul proiectelor / Project management	AMS201	DS	2	0	0	2	10	C	8								
	2	OP3			2	0	1	0	11	E	8								
DO	3	OP4			2	0	1	0	11	E	8								
	4	OP5			2	0	1	1	6	C	6								
	5	Practică de cercetare / Research for master's thesis	AMS208									0	0	0	14	37	E	30	
Number of hours per week, number of evaluations and credits per semester for compulsory (DI) and elective (DO) courses					8	0	3	3	38	2E	2C	30	0	0	0	14	37	1E	30
					14					14									

Elective course	Control Systems	Course code	Course type	Cond.	Intelligent Systems	Course code	Course type	Cond.
OP3	Diagnoza proceselor / Fault detection and diagnosis	AMS202	DS		Tehnici de automatizare cu echipamente PLC / PLC-based process automation	AMS203	DS	
OP4	Sisteme de control cu servoing / Visual servoing control systems	AMS204	DA		Instrumente practice și tehnici pentru data mining / Data mining: practical tools and techniques	AMS205	DA	
OP5	Modelare și control predictiv / Modeling and predictive control	AMS206	DS		Modelarea și proiectarea sistemelor robot / Modeling and design of robot systems	AMS207	DS	

* Hours of individual study (SI) are calculated as average/week/year, by the credit points of the subjects (24 hours per credit point); the exam sessions are also considered.

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

DECAN,
 Prof.univ.dr.ing. Vasile-Ion Manta

DIRECTOR DEPARTAMENT,
 Conf.dr.ing. Mihai Postolache