

Field of study: Computer and Information Technology/ Calculatoare si tehnologia informatiei
 Programme of study: COMPUTER ENGINEERING/ INGINERIA CALCULATOARELOR

Form of education: with frequency
 Length of study: 2 years

Fundamental domain of study (DFI): Engineering Sciences/ Stiinte ingineresti
 Branch of science (RSI): System Engineering, Computer and Information Technology/ Ingineria sistemelor, calculatoare si tehnologia informatiei
 Domain of study of master (DSU_M): Computer and Information Technology/ Calculatoare si tehnologia informatiei

Cod DFI	Cod RSI	Cod DSU_M	level	c1c2c3	a1a2
20	60	10	M	002	19

CURRICULUM
 Academic year 2019 - 2020
 2nd YEAR

	SEMESTER 3										SEMESTER 4										
1	Elective 3										Research Activity and Internship										
	M002.19.03.*1	9	E	28	0	28	0	0	0	***	49	M002.19.04.S1	10	C					168	DS	84
2	Elective 4										Master Thesis Development										
	M002.19.03.*2	9	E	28	0	28	0	0	0	***	49	M002.19.04.S2	10	C					196	DS	84
3	Elective 5										Master Thesis Defense										
	M002.19.03.*3	9	E	28	0	28	0	0	0	***	49	M002.19.04.S3	10	E						DS	
4	Directed Thesis Research																				
	M002.19.03.S4	3	D	0	0	0	28	168	DS	35											
5																					
6																					
7																					
total / semester	VAi:	196			VPI:	182					VAi:	0			VPI:	168					
	VA (VAi+VAp):	364			VCA (VA+VPI):	546					VA (VAi+VAp):	364			VCA (VA+VPI):	532					
	credits	30			evaluations:	3E, 1D					credits	30			evaluations:	1E, 2C					
total / week	VAi:	14			VPI:	13					VAi:	0			VPI:	12					
	VA (VAi+VAp):	26			VCA (VA+VPI):	39					VA (VAi+VAp):	26			VCA (VA+VPI):	38					
	distribution	6			0	6	2	12	(c, s, l, p, VAp)			distribution	0			0	0	0	26	(c, s, l, p, VAp)	

Competences:

- Advanced knowledge of the main topics and problems in the field of Information Technologies;
- Knowledge of the current technologies and abilities to select and apply them in the development of IT projects;
- Skills to critically analyze, innovate and research;
- Advanced abilities of communication, interdisciplinary cooperation and team project management.

RECTOR,
 Prof.univ.dr.ing.Viorel-Aurel ȘERBAN

DECAN,
 Prof.univ.dr.ing. Radu-Emil PRECUP

ELECTIVE COURSES
Academic year 2019 - 2020
2nd YEAR

SEMESTER 3											SEMESTER 4										
01	Evolvable Hardware																				
	9	E	28	0	28	0	0	0	DCAV	49											
02	Advanced Artificial Intelligence																				
	9	E	28	0	28	0	0	0	DCAV	49											
03	Cellular Data Networks																				
	9	E	28	0	28	0	0	0	DA	49											
04																					
05																					
06																					

Legenda											Example												
Title of discipline											Advanced measuring technologies												
Code	nc	FE	c	s	l	p	VAp	CF	VPI														
											M170.17.01.V1	8	E	28	0	28	0	49	DCAV	50			
<p>Code = code of discipline nc = no. of the subject transferable credits FE = forma de evaluare FE ∈ {E, D, C} E=exam D=distributive assessment C=colloquy</p> <p>c=no. of course hours/semester s=no. of seminar hours l=no. of laboratory hours</p> <p>p=no. of project hours</p> <p>VAp = no. of hours needed for partially assisted activities</p>											<p>CF=the category the discipline belongs to CF={DA, DCAV, DS, DC} DA - thoroughgoing study discipline DCAV - advanced knowledge discipline DS - synthesis discipline DC - complementary discipline</p> <p>VPI=no. of unattended hours during a 14 weeks semester plus 4 weeks of examination session</p> <p>VAi - no. of hours needed for entirely assisted activities=c+s+l+p VA - no. of hours needed for entirely assisted activities and partially assisted activities=VAi+Vap VCA - cumulated no. of hours for all activities= VA+VPI</p>												
<p>Notes</p> <p>1) The first two independent electives ("Core x") in each semester will be selected from the table "ELECTIVE COURSES", corresponding semester, and can be of the types DCAV, DA, or DS, as specified in the cell marked with ***.</p> <p>2) The third independent elective ("Elective y") in each semester will be selected from the the Master programs in the CTI field (Master IT/ CI/ ML/ SE), corresponding semester, and can be of the types DCAV, DA, or DS, as specified in the cell marked with ***.</p> <p>3) The electives in the table "ELECTIVE COURSES" will be activated based on student options, number of students and financial coverage.</p>																							

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