Studies Plan

EL Micro- and Nanotechnologies for Integrated Systems 2023-24

Block 1

	Courses			Má	ste	r 1	Ма	stei	2	Ма	ste	r 3	Mas	ster 4	Exam Session	Exam	Credit
Language	e Code	Section	Teacher	1	е	р	1	е	р	1	е	р	1	е р			
	Analog IC des	sign (for MNIS)															
E	EE-427	EL	Koukab							2h	1h				Win	Written	3
	Design techno	ologies for integrate	ed systems														
E	CS-472	IN	De							3h		2h			Win	During the	6
			Micheli													semester	
	Digital systen	ns design															
E	EE-334	EL	Burg							2h	2h				Win	Written	4
	Fundamentals	s of VLSI design	·														
E	EE-429	EL	Burg							3h	1h				Win	Written	4

Block 2

	Courses			Master 1			Master 2			Master 3			Master 4			Exam Session	Exam	Credit
Languag	je Code	Section	Teacher	1	е	р	1	е	р	1	е	р	1	е	р			
	Nanoelectro	nics																
E	EE-535	EL	Ionescu							2h						Win	Written	2
-	Physical mod	dels for micro ar	nd nanosystems															
E	EE-536	EL	Kis							2h						Win	During the semester	2
	Test of VLSI	systems														•	•	
E	EE-530	EL	Schmid							2h						Win	Written	2

Group 1

	Courses			Master 1	Master 2	Master 3	Master 4	Exam Session	Exam	Credit
Language	e Code	Section	Teacher	l e p	l e p	l e p	l e p			
E	EE-524	EL				1h 2h		Win	Written	3
	Fundamentals biochips	s of biosensors	s and electronic							
E	EE-515	EL				2h 1h		Win	Written	3
-	Lab in EDA ba	ased design								
Ε	EE-490(b)	EL	Koukab Levisse			4h		Win	During the semester	4
	Mathematics	of data: from tl	neory to							
	computation		•							
E	EE-556	EL	Cevher			3h 3h		Win	Written	6
	Optical detec	tors								
E	MICRO-523	MT	Besse			3h		Win	Oral	3
-	Radio frequer	ncy circuits de	sign techniques							
E	EE-426	ĔL	Ruffieux			2h 2h		Win	Written	4
-	Semiconduct	or devices I								
E	EE-557	EL	Matioli			3h 1h		Win	During the semester	4
-	Seminar in ph	nysiology and i	nstrumentation							
	MICRO-568	MT	Radenovic			2h		Win	Written	2
	Wireless rece	ivers: algorithi	ns and							
	architectures									
Ε	EE-442	EL	Burg			2h 2h		Win	During the semester	4

Master cycle

Language		Section	Teacher	Exam Session	Exam	Credit
F	INPG courses	EL		Sum	Out of study plan	30
F	Politecnico di	Torino courses EL		Win	Out of study plan	30

Master project

	Courses			Master 1		er 1	Master 2		er 2	Master 3			Master 4			- 1			Exam Session	Exam (
Language	⊋ Code	Section	Teacher	1	е	р	1	е	р	- 1/	e	e p	- 1	е	e p	1	е	e p		
	MNIS Master r	project for studer	nts from																	
	Grenoble																			
	EE-599(b)	EL	Profs												420h	h				
			divers																	
	MNIS Master r	project for studer	nts from																	
	Torino	-																		
	EE-599(c)	EL	Profs												420h	h				
			divers																	
		nternship credite																		<u> </u>
		er in Electrical an	nd Electronical																	
	engineering)																			
F	EE-597(a)	EL	Profs			320	Ͻh		320	Jh								320h	Sum	Term paper (
			divers																Win	
	Master projec	t in Electrical and																		
	Engineering																			
	EE-599(a)	EL	Profs															420h	Sum	Oral :
			divers																	