## **Studies Plan**

# EL Micro- and Nanotechnologies for Integrated Systems 2025-26

### Block 1

	Courses		Master 1	Master 2	Master 3	Master 4	Exam Session	Exam	Credit	
Lang.	Code	Sect.	Teacher	CELTPI	CELTPI	CELTP	ICELTPI			
	Analog circuit MNIS)	design	II (for							
E	EE-435	EL	Koukab			2h 1h 1l	h	Win	Written	4
	Design techno integrated sys		for							
E	CS-472	IN	De Micheli Mallasen Quintana Schiavone			3h 2h		Win	During the semester	6
	Digital system		ın							
E	EE-334	EL	Burg			2h 2h		Win	Written	4
E	Fundamentals EE-429	of VLS EL	i <b>l design</b> Burg Levisse			3h 1h 2l	h	Win	Written	6

#### Block 2

	Courses			Master 1	Master 2	Master 3	Master 4	Exam Session	Exam	Credit
Lang	. Code	Sect.	Teacher	CELTPI	CELTPI	CELTPI	CELTPI			
	Nanoelectron	ics								
E	EE-535	EL	Ionescu			2h		Win	Written	2
	Physical mod	els for I	micro							
	and nanosyst	ems								
Ε	EE-536	EL	Kis			2h		Win	During the	2
									semester	
	Test of VLSI s	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	
Lang.	Code	Sect.	Teacher	CELTPI	CELTPI	CELT	PΙ	CELTPI	00331011			
	Fundamentals	of bios	sensors									
	and electronic											
E	EE-515	EL	Guiducci			2h 1h			Win	Written	3	
	Mathematics of											
	theory to com											
<u>E</u>	EE-556	EL	Cevher			3h	3h		Win	Written	6	
_	Optical detect										_	
E	MICRO-523	MT	Bruschini			2h 1h			Win	Oral	3	
	Radio frequen		uits									
_	design technic										_	
E	EE-426	EL	Ruffieux			2h 2h			Win	Written	4	
_	Semiconducto										_	
E	EE-557	EL	Matioli			3h 1h			Win	During the semester	4	
	Seminar in ph		y and									
	instrumentation											
	MICRO-568	MT	Radenovic			2h			Win	Written	2	
	Wireless recei		ectures									
E	EE-442	EL	Burg			2h 2h			Win	During the semester	4	

Master project

	Courses			Mast	ter 1			Mas	ter 2		Master 3					Master 4					MP Spring				Exam	Exam	
Lang.	Code	Sect.	Teacher	C E	L ·	ΤР	1	C E	L	T F	ΡĮ	C E	L	T I	>	С	E	L 7	r f	> <i> </i>	С	Ε	L	Τ.	PΙ	Session	
	MNIS Master p																										
	students from	Grenol	ole																								
	EE-599(b)	EL	Profs																	4	20h						
			divers																								
	MNIS Master p	roject	or																								
	students from	<b>Torino</b>																									
	EE-599(c)	EL	Profs																	4	20h						
			divers																								
	Engineering in																										
	credited with r																										
	(master in Elec	and																									
	Electronical er	ngineer	ing)																								
F	EE-597(a)	EL	Profs												32	20h										Win	During the
			divers																								semester
	Master project																										
	and Electronic																										
	EE-599(a)	EL	Profs																						42	2 <b>05</b> ium	Oral
			divers																								