Studies Plan

EDMI - Microsystems and Microelectronics 2023-24

Core courses

Course	e s ge Code	Section	Teacher	Exam	Credit
		of Metals and Alloys	reacrier		
E	MSE-666	EDMX	Leinenbach Logé	Oral presentation	2
Advano	ed III-Nitride Se	miconductor Devices	Loge		
(Studen	ts are required to ha	ave taken semiconductor cla / Next time: Spring 2025)	asses (EE-557,		
E	EE-627	EDEE	Grandjean Matioli	Oral presentation	3
	ced micro-/nano- 9-23, 2023)	· manufacturing			
E	MICRO-632	EDAM	Various lecturers	Written	2
meets l	ced topics in mid bottom-up me in Spring 2025)	cro- and nanomanufact	uring: top-dow	n	
Ē	MICRO-724	EDMI	Brugger Böhringer Mastrangeli Perez-Murano	Multiple	2
	and Optimization ne: Fall 2024)	on of Internet-of-Things	s Systems		
E	EE-733	EDEE	Aminian Atienza Alonso Burg	Oral presentation	4
	0-14, 2024)	oio-sensing and bio/CM	IOS interfaces		
E Energy	MICRO-614	EDMI ireless Smart Systems	Carrara	Project report	1
(April 8	to 12, 2024)	morood omant dy otomic			
E	MICRO-617	EDMI	Burg Dehollain Maloberti Skrivervik	Multiple	3
Laser N	Materials Proces	sing			
E	MSE-662	EDMX	Hoffmann Leinenbach	Oral	2
	ne Learning for E me: Fall 2023)	ngineers			
E	EE-613	EDEE	Calinon Canévet Odobez Villamizar	Multiple	4
	uidics for lab-on				
E	MICRO-706	EDMI	Le Gac de Malsche	Term paper	1
	magnetic field se 1th to 13th, 2024)	ensors and actuators	-		
Ē	MICRO-602	EDMI	Boero	Oral	1
(May 21		field effect electron de 10h15 to 12h / June 4 from h15 to 16h)		e	
E	MICRO-623	EDMI	Sallese	Written	1
MOOC: (Septem	Micro and Nand	ofabrication (MEMS) or 19, 2023 - Online course	(self-paced))		
E	MICRO-621	EDMI	Brugger	Oral	1

Nanoscale MOSFETs and beyond CMOS devices (Next time in Autumn 2025)

E	MICRO-611	EDMI	Ionescu Zota	Oral	1
Optical	MEMS and mic	ro-optics			
(Novem	ber 14th to 17th, 20	23 (Microcity, Neuchatel))			
E	MICRO-605	EDMI	Ataman	Written	1
	rch seminars in I me: Fall 2024)	Electrical Engineering	j - FALL		
Ė	EE-625(a)	EDEE	Choo Fleury Matioli	Oral presentation	1
	rch seminars in I	Electrical Engineering	- SPRING		
È	EE-625(b)	EDEE	Choo Fleury Matioli	Oral presentation	1
	g in MEMS course - from Auaus	t 28 to August 31, 2023. F	Room Microcity MC B	31	
273)	•				
273) [*] E	MICRO-606	EDMI	Shea	Oral presentation	1
273) E Soft Mi	MICRO-606	EDMI cessing and Devices h, 14th and 16th, 2024)	Shea	Oral presentation	1
273) E Soft Mi (Februa	MICRO-606	cessing and Devices	Shea Briand Brugger Lacour Leterrier Shea Subramanian	Oral presentation Multiple	2
273) E Soft Mi (Februa E	MICRO-606 icrosystems Pro	cessing and Devices h, 14th and 16th, 2024) EDMI	Briand Brugger Lacour Leterrier Shea	•	
273) Soft Mi (Februa E	MICRO-606 icrosystems Pro iny 5th, 7th, 9th, 12th MICRO-618	cessing and Devices h, 14th and 16th, 2024) EDMI	Briand Brugger Lacour Leterrier Shea	•	
273) E Soft Mi (Februa E Thin fil (Next tir E Wearak	MICRO-606 icrosystems Pro iny 5th, 7th, 9th, 12th MICRO-618 im and small sca ime: November 7-10 MSE-669 ibles and implant	cessing and Devices n, 14th and 16th, 2024) EDMI sle mechanics 1, 2023)	Briand Brugger Lacour Leterrier Shea Subramanian Michler Schwiedrzik	Multiple Written	2