

Semester 1

Teaching unit	Materials	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Continuous Assessment	Exam
Fundamental	Physics of semiconductor components 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Thin layers	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental	Processes for the production of semiconductor devices	4	2	1h30	1h30		45h00	55h00	40%	60%
	Simulation tools	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological	Practical work Physics of semiconductor components 1	2	1			1h30	22h30	27h30	100%	
	Practical work Simulation tools	2	1			1h30	22h30	27h30	100%	
	TP optical properties of SCs	2	1			1h30	22h30	27h30	100%	
	Programming Language	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery	Subject of choice 1	1	1	1h30			22h30	02h30		100%
	Subject of choice 2	1	1	1h30			22h30	02h30		100%
Transversal	Technical English and Terminology	1	1	1h30			22h30	02h30		100%
Total semester 1		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 2

Teaching unit	Materials	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Continuous Assessment	Exam
Fundamental	Physics of semiconductor components 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Design of bipolar analog integrated circuits	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental	Techniques de caractérisation des dispositifs semiconducteurs	4	2	1h30	1h30		45h00	55h00	40%	60%
	Photovoltaic devices	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological	Practical work Physics of semiconductor components 2	2	1			1h30	22h30	27h30	100%	
	Practical work Design of bipolar analog integrated circuits	2	1			1h30	22h30	27h30	100%	
	TP Characterization of SC/ TP Photovoltaic Devices	2	1			1h30	22h30	27h30	100%	
	Design of MOS analog integrated circuits	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery	Subject of choice 3	1	1	1h30			22h30	02h30		100%
	Subject of choice 4	1	1	1h30			22h30	02h30		100%
Transversal	Compliance with standards and rules of ethics and integrity	1	1	1h30			22h30	02h30		100%
Total semester 2		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 3

Teaching unit	Materials	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Continuous Assessment	Exam
Fundamental	Photovoltaic Techniques and Systems	6	3	3h00	1h30		67h30	82h30	40%	60%
	Design of CMOS digital integrated circuits	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental	Optoelectronics and Associated Electronic Circuits	4	2	1h30	1h30		45h00	55h00	40%	60%
	Physics of semiconductor components 3	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological	TP Techniques and Photovoltaic Systems	2	1			1h30	22h30	27h30	100%	
	Practical work Design of CMOS digital integrated circuits	2	1			1h30	22h30	27h30	100%	
	Optoelectronics TP	2	1			1h30	22h30	27h30	100%	
	Simulation des composants SC	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery	Subject of choice 5	1	1	1h30			22h30	02h30		100%
	Subject of choice 6	1	1	1h30			22h30	02h30		100%
Transversal	Documentary research and dissertation design	1	1	1h30			22h30	02h30		100%
Total semester 3		30	17	13h30	6h00	5h30	375h00	375h00		