

Semester 1

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
Fundamental EU Code: UEF 1.1.1 Credits: 10 Coefficients: 5	Instrumentation electronics	6	3	3h00	1h30		67h30	82h30	40%	60%
	Sensors in industrial instrumentation	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.1.2 Credits: 8 Coefficients: 4	Advanced Signal Processing 01	4	2	1h30	1h30		45h00	55h00	40%	60%
	Industrial metrology	4	2	1h30	1h30		45h00	55h00	40%	60%
EU Methodological Code: UEM 1.1 Credits: 9 Coefficients: 5	Electronic instrumentation practical work	2	1			1h30	10:30 p.m.	27:30	100%	
	TP Sensors in industrial instrumentation	2	1			1h30	10:30 p.m.	27:30	100%	
	Advanced Signal Processing 01/ Industrial Metrology TP	2	1			1h30	10:30 p.m.	27:30	100%	
	Python/Java	3	2	1h30		1 hour	37h30	37h30	40%	60%

EU Discovery Code: UED 1.1 Credits: 2 Coefficients: 2	Subject of your choice	1	1 h30				10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1 h30				10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 1.1 Credits: 1 Coefficients: 1	Technical English and Terminology	1	1 h30				10:30 p.m.	2:30 a.m.		100%
Total semester 1		30	17	1:30 p.m.	6:00 a.m.	5:30 a.m.	375 hours	375 hours		

Semester 2

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Volume Hourly Biannual (15 weeks)	Work Complementary e in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
EU Fundamental Code: UEF 1.2.1 Credits: 10 Coefficients: 5	Microcontrollers and DSPs	6	3	3h	00	1h30	67h30	82h30	40%	60%
	Digital servo systems	4	2	1h	30	1h30	45h00	55h00	40%	60%
EU Fundamental Code: UEF 1.2.2 Credits: 8 Coefficients: 4	Advanced Digital Electronics: VHDL – FPGA	4	2	1h	30	1h30	45h00	55h00	40%	60%
	Advanced Signal Processing 02	4	2	1h	30	1h30	45h00	55h00	40%	60%
EU Methodological Code: UEM 1.2 Credits: 9 Coefficients: 5	Microcontrollers and DSP practical work	2	1			1h30	10:30 p.m.	27:30	100%	
	Digital servo systems TP/ Advanced signal processing TP 02	2	1			1h30	10:30 p.m.	27:30	100%	
	VHDL - FPGA practical work	2	1			1h30	10:30 p.m.	27:30	100%	

	Project-based learning	3	2 1h30		1 hour	37h30	37h30	40%	60%
EU Discovery Code: UED 1.2 Credits: 2 Coefficients: 2	Subject of your choice	1	1 1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1 1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 1.2 Credits: 1 Coefficients: 1	Compliance with standards and rules of ethics and integrity	1	1 1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 2		30	17 1:30 p.m. 6:00 a.m. 5:30 a.m. 375 p.m.				375 hours		

Semester 3

Teaching unit	Materials	Credits	Coefficient	Weekly hourly volume			Volume Hourly Biannual (15 weeks)	Work Complementary in Consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
EU Fundamental Code: UEF 2.1.1 Credits: 10 Coefficients: 5	Industrial programmable logic controllers	4	2	1h30	1h30		45h00	55h00	40%	60%
	Industrial actuators	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced sensors and measurement systems	2	1	1h30			10:30 p.m.	27:30		100%
EU Fundamental Code: UEF 2.1.2 Credits: 8 Coefficients: 4	Advanced power electronics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Digital control elements	4	2	1h30	1h30		45h00	55h00	40%	60%
EU Methodological Code: UEM 2.1 Credits: 9 Coefficients: 5	Industrial programmable automation work	2	1			1h30	10:30 p.m.	27:30	100%	
	Industrial actuators TP/Digital regulation TP	2	1			1h30	10:30 p.m.	27:30	100%	
	Advanced Power Electronics TP	2	1			1h30	10:30 p.m.	27:30	100%	

	Reliability and maintenance of electronic systems	3	2	1h30		1 hour	37h30	37h30	40%	60%
EU Discovery Code: UED2.1 Credits: 2 Coefficients: 2	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET2.1 Credits: 1 Coefficients: 1	Documentary research and dissertation design	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 3		30	18	1:30 p.m.	6:00 a.m.	5:30 a.m.	375 p.m.	375 hours		