

Semester 1

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method	
	Titled			Tutorial course		TP			Control Continuous	Exam
Fundamental EU Code: UEF 1.1.1 Credits: 8 Coefficients: 4	Radiobiology and radiation protection	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced processing of physiological signals	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.1.2 Credits: 10 Coefficients: 5	Main functions of electronics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Conditioning circuits	3	2	1h30	1h30		33:45	41:15	40%	100%
	Power electronics	3	1	1h30			33:45	41:15	40%	60%
Methodological EU Code: UEM 1.1 Credits: 9 Coefficients: 5	Practical work on the functions of electronics	2	1			1h30	10:30 p.m.	27:30	100%	
	TP Conditioning circuits/ Power Electronics TP	2	1			1h30	10:30 p.m.	27:30	100%	
	Advanced Signal Processing TP / Practical work Radiobiology and radiation protection	2	1			1h30	10:30 p.m.	27:30	100%	
	Biomaterial technologies for prosthetics	3	2	1h30		1 hour	37h30	37h30	40%	60%
EU Discovery Code: UED 1.1 Credits: 2 Coefficients: 2	Subject of choice 1	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of choice 2	1	1	1h30			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	1h30			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 in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
Fundamental EU Code: UEF 1.2.1 Credits: 10 Coefficients: 5	Medical image processing HASHOUF	6	3	3:00 a.m. to 1:30 a.m.			67h30	82h30	40%	60%
	Special devices for medical imaging REBIAI	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.2.2 Credits: 8 Coefficients: 4	Non-ionizing radiation REMRAM	4	2	1h30	1h30		45h00	55h00	40%	60%
	Microcontroller systems MOUISSAT	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological EU Code: UEM 1.2 Credits: 9 Coefficients: 5	Medical Image Processing Practical Work	2	1			1h30	10:30 p.m.	27:30	100%	
	TP Special devices /TP Non-ionizing radiation	2	1			1h30	10:30 p.m.	27:30	100%	
	Microcontroller Systems TP	2	1			1h30	10:30 p.m.	27:30	100%	
	Programming language	3	2	1h30		1 hour	37h30	37h30	40%	60%
EU Discovery Code: UED 1.2 Credits: 2 Coefficients: 2	Subject of choice 4	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	5th choice of subject	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 1.2 Credits: 1 Coefficients: 1	Ethics, professional conduct and intellectual property	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 2		30	17	1:00 p.m. 6:00 a.m. 6:00 a.m.			375 hours	375 hours		

Semester 3 Biomedical Instrumentation Master 2

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 1.3.1 Credits: 8 Coefficients: 4	Instrumentation for functional exploration	4	2	1h30	1h30		45h00	55h00	40%	60%
	Medical imaging instrumentation	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.3.2 Credits: 10 Coefficients: 5	Biosensors	4	2	1h30	1h30		45h00	55h00	40%	60%
	Embedded biomedical systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Modeling and simulation of biomedical systems	2	1	1h30			10:30 p.m.	27:30		100%
Methodological EU Code: UEM 1.3 Credits: 9 Coefficients: 5	TP Instrumentation / TP Biosensors 2		1			1h30	10:30 p.m.	27:30	100%	
	TP Embedded biomedical systems	2	1			1h30	10:30 p.m.	27:30	100%	
	Practical work Simulation of biomedical systems	2	1			1h30	10:30 p.m.	27:30	100%	
	Project Management for Health Systems	3	2	1h30		1 hour	37h30	37h30	40%	60%
Transversal EU Code: UED 1.3 Credits: 2 Coefficients: 2	5th choice of subject	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	6th choice of subject	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
EU Discovery Code: UET 1.3 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	17	1:30 p.m.	6:00 a.m.	5:30 a.m.	375 hours	375 hours		