Teaching Unit	Subject	its	Coefficient	Weekly Hours			Semester	Additional Work	Evaluation	
	Course Title	Credits		Course	Rec	Lab	Hours (15 Weeks)	(15 Weeks)	Continu Control	Exam
TU Fundam ental Code: TUF 1.1.1	Electrical Energy Transmission and Distribution Networks	4	2	1h30	1h30		45h00	55h00	40%	60%
Credit: 10	Advanced Power Electronics	4	2	1h30	1h30		45h00	55h00	40%	60%
Coefficients: 5	μ -processors and μ -controller's	2	1	1h30			22h30	27h30		100%
TU Fundam ental Code: TUF 1.1.2	Advanced Electrical Machines	4	2	1h30	1h30		45h00	55h00	40%	60%
Credi: 8 Coefficients: 4	Numerical and Differential Methods and optimization	4	2	1h30	1h30		45h00	55h00	40%	60%
	Lab: Electrical Energy Transmission and Distribution Networks	1	1			1h00	15h00	10h00	100%	
Metho dological Unit	Lab: Advanced Power Electronics	2	1			1h30	22h30	27h30	100%	
Code: MU 1.1 Credi: 9	Lab: μ-processors and μ-controller's	2	1			1h30	22h30	27h30	100%	
Coefficients: 5	Advanced Electrical Machines	2	1			1h30	22h30	27h30	100%	
	Lab: Numerical and Differential Methods and optimization	2	1			1h30	22h30	27h30	100%	
Exploratory Unit Code : EU 1.1 Credi : 2	Industrial Automation and Computer Science	1	1	1h30			22h30	02h30		100%
Coefficients : 2	Optional Cours e	1	1	1h30			22h30	02h30		100%
Cross-disciplinary Unit Code : CD U 1.1 Credi : 1 Coefficients : 1	Technical English and Terminology	1	1	1h30			22h30	02h30		100%
Total semester 1		30	17	12h00	6h00	7h00	375h00	375h00		

Teaching Unit	Subject	its	Coefficient	We	ekly Hou	rs	Semester Hours (15 Weeks)	Additional Work (15 Weeks) Course Title	Evaluation	
	Course Title	Credits		Course	Rec	Lab			Continu Control	Examen
TU Fundamental Code : TUF 1.2.1 Credi : 10	Modeling and Identification of Electrical Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
Coefficients: 5	Electrical Control Techniques	6	3	3h00	1h30		67h30	82h30	40%	60%
TU Fundamental Code : TUF 1.2.2	Sampled Control Systems and Digital Regulation	4	2	1h30	1h30		45h00	55h00	40%	60%
Credi: 8 Coefficients: 4	Fault Diagnosis of Control Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Lab: Modeling and Identification of Electrical Systems	2	1			1h30	22h30	27h30	100%	
Methodological Unit	Lab: Electrical Control Techniques	3	2			2h30	37h30	37h30	100%	
Code : MU 1.2 Credi : 9 Coefficients : 5	Lab: Sampled Control Systems and Digital Regulation	2	1			1h30	22h30	27h30	100%	
	Lab: Fault Diagnosis of Control Systems	2	1			1h30	22h30	27h30	100%	
Exploratory Unit Code: EU 1.2 Credi: 2 Coefficients: 2	Transient Regimes of Electrical Systems	1	1	1h30			22h30	02h30		100%
	Electrical Machines in Dynamic Operation	1	1	1h30			22h30	02h30		100%
Cross-disciplinary Unit Code: CDU 1.2 Credi: 1 Coefficients: 1	Compliance with Standards, Ethics, and Integrity Rules	1	1	1h30			22h30	02h30		100%
Total semestre 2		30	17	12h00	6h00	7h00	375h00	375h00		

Teaching Unit	Subject	its	Coefficient	Weekly Hours			Semester	Additional Work	Evaluation	
	Course Title	Credits		Course	Rec	Lab	Hours (15 Weeks)	(15 Weeks) Course Title	Continu Control	Examen
TU Fundamental Code : TUF 2.1.1	Nonlinear and Advanced Control	6	3	3h00	1h30		67h30	82h30	40%	60%
Credi : 8 Coefficients : 4	Automate programmable	2	1	1h30			22h30	27h30		100%
TU Fundamental Code : TUF 2.1.2	Artificial Intelligence Techniques	4	2	1h30	1h30		45h00	55h00	40%	60%
Credi: 10 Coefficients: 5	Electrical Control of Industrial Systems	6	3	3h00	1h30		67h30	82h30	40%	60%
	Lab : Nonlinear and Advanced Con-trol	4	2			3h00	45h00	55h00	100%	
Methodological Unit Code : MU 2.1	Lab: Artificial Intelligence Techniques /Lab: Implementation of a Real-Time Digital Control	2	1			1h30	22h30	27h30	100%	
Credi : 9 Coefficients : 5	Lab: Electrical Control of Industrial Systems	2	1			1h30	22h30	27h30	100%	
	Lab Automate programmable industrials (API)	1	1			1h00	15h00	10h00	100%	
Exploratory Unit Code: EU 2.1	Industrial Automation	1	1	1h30			22h30	02h30		100%
Credi: 2 Coefficients: 2	Control of Future Energy Systems	1	1	1h30			22h30	02h30		100%
Cross- disciplinary Unit Code: CDU 2.1 Credi: 1 Coefficients: 1	Documentary Research and Thesis Design	1	1	1h30			22h30	02h30		100%
Total semestre 3		30	17	13h30	4h30	7h00	375h00	375h00		

Internship in a Company with Thesis and Defense.

Master's Final Project Evaluation:

•	Scientific Value (Jury Evaluation)	/(
•	Thesis Writing (Jury Evaluation)	/4
•	Presentation and Q&A (Jury Evaluation)	/.
•	Supervisor's Assessment	/3
•	Internship Report Presentation (Jury Evaluation)	/3