

Semester 1 Master's Degree: Power Engineering

Teaching unit	Materials		Credits	Coefficient	Weekly hourly volume			Semi-Annual Hourly Volume (15 weeks)	Complementary work in Consultation (15 weeks)	Evaluation method	
	Code	Entitled			Lecture	Recitation	Lab			Continuous assessment	Examination
Core UE Code: UEF 1.1 Credits: 12 Coefficients: 6	EE431	Advanced Electric Machines	6	3	3h00	1h30		67h30	82h30	40%	60%
	EE433	Power Engineering Materials	3	2	3h00			45h00	30h00	40%	60%
Core UE Code: UEF 1.2 Credits: 15 Coefficients: 9	EE451	Digital Control System	5	3	3h00	1h30		67h30	57h30	40%	60%
	EE419	Digital Signal Processing	5	3	3h00			45h00	57h30	40%	60%
	EE477	Optimization	5	3	3h00	1h00		60:00	65h00	40%	60%
Methodological UE Code: EMU 1.1 Credits: 6 Coefficients: 3	EE431L	Advanced Electric Machines Lab	2	1			3h00	45h00	27h30	100%	
	EE477L	Optimization Lab	2	1			1h30	22h30	27h30	100%	
	EE451L	Digital Control System Lab	2	1			1h30	22:30	27h30	100%	
Semester 1 total			30	17	15h00	04h00	06h00	375h00	375h00		

Semester 2 Master's Degree: Power Engineering

Teaching unit	Materials		Credits	Coefficient	Weekly hourly volume			Semi-Annual Hourly Volume (15 weeks)	Complementary work in Consultation (15 weeks)	Evaluation method	
	Code	Entitled			Lecture	Recitation	Lab			Continuous assessment	Examination
Core UE Code: UEF 2.1 Credits: 10 Coefficients: 6	EE436	Advanced Power Electronics	5	3	3h00			45h00	80h00	40%	60%
	EE434	Machines & Drives	5	3	3h00			45h00	80h00	40%	60%
Core UE Code: UEF 2.2 Credits: 10 Coefficients: 6	EE432	Power system Analysis	6	3	3h00	1h30		67h30	82h30.	40%	60%
	EE438	Reliability, Availability, Maintainability, and Safety (RAMS)	4	3	3h00	1h00		60:00	40h00	40%	60%
Methodological UE Code: EMU 2.1 Credits: 8 Coefficients: 3	EE434L	Machines & Drives Lab	3	1			15h00	45h00	30h00	100%	
	EE432L	Power system Lab	2	1			1h30	22h30	27h30	100%	
	EE436L	Advanced Power Electronics Lab	3	1			15h00	45h00	30h00	100%	
E Transversal Code: UET 2.1 Credits: 1 Coefficients: 1	EE482	Standards and Rules of Ethics and Integrity	1	1	1h30			22h30.	2h30		100%
E Discovery Code: UED 2.1 Credits: 1 Coefficients: 1	EE632	Elective Course (select a course from the list below)	1	1	1h30			10h30	2h30		100%
Semester 2 total			30	17	15h00	02h30	7h30	375h00	375h00		

Semester 3 Master's Degree: Power Engineering

Teaching unit	Materials		Credits	Coefficient	Weekly hourly volume			Semi-Annual Hourly Volume (15 weeks)	Complementary work in Consultation (15 weeks)	Evaluation method	
	Code	Entitled			Lecture	Recitation	Lab			Continuous assessment	Examination
Core UE Code: UEF 3.1 Credits: 10 Coefficients: 6	EE539	Power system: control & operation	5	3	3h00			45h00	80h00	40%	60%
	EE535	Protection Systems	5	3	3h00	1h00		60h00	90h00	40%	60%
Core UE Code: UEF 3.2 Credits: 10 Coefficients: 5	EE529	Microcontrollers & Instrumentation	5	2	3h00			45h00	80h00	40%	60%
	EE537	Industrial Power network with PLC	5	3	3h00			45h00	80h00	40%	60%
Methodological UE Code: EMU 3.1 Credits: 8 Coefficients: 4	EE539L	Power system II Lab	2	1			1h30	22.5h00	2.5h00	100%	
	EE529L	Microcontrollers & Instrumentation Lab	2	1			3h00	45h00	5h00	100%	
	EE537L	Industrial Power network Lab	2	1			3h00	45h00	5h00	100%	
	EE535L	Protection Systems Lab	2	1			1h30	22.5h00	2.5h00	100%	
E Transversal Code: UET 3.1 Credits: 2 Coefficients: 2	EL501	Communication skills	1	1	1h30			10h30	27h30		100%
	EE581	Project Management	1	1	1h30			10h30	02h30		100%
Total Semester 3			30	17	3h00	1h00	09h00	375h00	375h00		