

Semestre 1

Teaching Unit	Subject	Credits	Coefficient	Weekly Hours			Semester Hours (15 Weeks)	Additional Work (15 Weeks)	Evaluation	
	Course Title			Course	Rec	Lab			Continu Control	Exam
TU Fundamental Code: TUF 1.1.1 Credit: 10 Coefficients: 5	Electrical Energy Transmission and Distribution Networks	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced Power Electronics	4	2	1h30	1h30		45h00	55h00	40%	60%
	μ-processors and μ-controller's	2	1	1h30			22h30	27h30		100%
TU Fundamental Code: TUF 1.1.2 Credi: 8 Coefficients: 4	Advanced Electrical Machines	4	2	1h30	1h30		45h00	55h00	40%	60%
	Numerical and Differential Methods and optimization	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Unit Code: MU 1.1 Credi: 9 Coefficients: 5	Lab: Electrical Energy Transmission and Distribution Networks	1	1			1h00	15h00	10h00	100%	
	Lab: Advanced Power Electronics	2	1			1h30	22h30	27h30	100%	
	Lab: μ-processors and μ-controller's	2	1			1h30	22h30	27h30	100%	
	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 Coefficients : 2	Industrial Automation and Computer Science	1	1	1h30			22h30	02h30		100%
	Optional Course	1	1	1h30			22h30	02h30		100%
Cross-disciplinary Unit Code : CDU 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		

Semestre 2

Teaching Unit	Subject	Credits	Coefficient	Weekly Hours			Semester Hours (15 Weeks)	Additional Work (15 Weeks) Course Title	Evaluation	
	Course Title			Course	Rec	Lab			Continu Control	Examen
TU Fundamental Code : TUF 1.2.1 Credi : 8 Coefficients : 4	Photovoltaic Energy Conversion Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Wind Energy Conversion Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 1.2.2 Credi : 10 Coefficients : 5	Electrical Energy Quality	4	2	1h30	1h30		45h00	55h00	40%	60%
	Solar and Wind Energy Resources	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological Unit Code : MU 1.2 Credi : 9 Coefficients : 5	Lab: Wind Energy Conversion Systems	2	1			1h30	22h30	27h30	100%	
	Lab: Renewable Energy Resources	1	1			1h00			100%	
	Lab: Photovoltaic Energy Conversion System	2	1			1h30	22h30	27h30	100%	
	Solar Thermal Energy	4	2	1h30	1h30		60h00	65h00	40%	60%
Exploratory Unit Code : EU 1.2 Credi : 2 Coefficients : 2	Elective Course 1	1	1	1h30			22h30	02h30		100%
	Elective Course 2	1	1	1h30			22h30	02h30		100%
Cross-disciplinary Unit Code : CDU 1.2 Credi : 1 Coefficients : 1	Compliance with Standards, Ethics, and Integrity	1	1	1h30			22h30	02h30		100%
Total semestre 2		30	17	13h30	7h30	4h00	375h00	375h00		

Semestre 3

Teaching Unit	Subject	Credits	Coefficient	Weekly Hours			Semester Hours (15 Weeks)	Additional Work (15 Weeks) Course Title	Evaluation	
	Course Title			Course	Rec	Lab			Continu Control	Examen
TU Fundamental Code : TUF 2.1.1 Credi : 10 Coefficients : 5	Applications and Sizing of Renewable Energy Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Energy Storage and Fuel Cells	2	1	1h30			22h30	27h30		100%
	Control of Renewable Energy Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 2.1.2 Credi : 8 Coefficients : 4	Multi-Source Renewable Energy Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Integration of Renewable Energies into Networks	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Unit Code : MU 2.1 Credi : 9 Coefficients : 5	Lab: Applications and Sizing of Renewable Energy Systems	2	1			1h30	22h30	27h30	100%	
	Lab: Energy Storage	1	1			1h00	15h00	10h00	100%	
	Lab: Control of Renewable Energy Systems	2	1			1h30	22h30	27h30	100%	
	Maintenance and Reliability of Renewable Energy Systems	4	2	1h30		1h30	45h00	55h00	40%	60%
Exploratory Unit Code : EU 2.1 Credi : 2 Coefficients : 2	Elective Course 1	1	1	1h30			22h30	02h30		100%
	Elective Course 2	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		4	2	1h30	1h30		45h00	55h00	40%	60%

Semestre 4

Internship in a Company with Thesis and Defense.

Master's Final Project Evaluation:

- Scientific Value (Jury Evaluation) /6
- Thesis Writing (Jury Evaluation) /4
- Presentation and Q&A (Jury Evaluation) /4
- Supervisor's Assessment /3
- Internship Report Presentation (Jury Evaluation) /3