

Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.1.1 Credits : 10 Coefficients : 5	Advanced Fluid Mechanics	6	3	3h00	1h30		67h30	82h30	40%	60%
	Advanced Thermodynamics and Transport Phenomena	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental UE Code : FUE 1.1.2 Credits : 8 Coefficients : 4	Renewable Resources and Meteorology	4	2	1h30	1h30		45h00	55h00	40%	60%
	Applied Numerical Methods	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological UE Code : MUE 1.1 Credits : 9 Coefficients : 5	Renewable Energies and Energy Challenges	4	2	1h30	1h30		45h00	55h00	40%	60%
	Lab: Renewable Resources and Meteorology	3	2			2h30	37h30	37h30	100%	
	Lab: Applied Numerical Methods	2	1			1H30	22h30	27h30	100%	
Discovery UE Code : DUE 1.1	Programming and Software	1	1	1h30			22h30	02h30		100%

Credits : 2 Coefficients : 2	Aerodynamics and Turbomachinery	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 1.1 Credits : 1 Coefficients : 1	Technical English and Terminology	1	1	1h30			22h30	02h30		100%
Total semester 1		30	17	13h30	7h30	4h00	375h00	375h00		

Semester 2 :

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.2.1 Credits : 10 Coefficients : 5	Solar Radiation	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced Heat Transfer and Transport Phenomena	6	3	3h00	1h30		67h30	82h30	40%	60%

Fundamental UE Code : FUE 1.2.2 Credits : 8 Coefficients : 4	Solar Thermal Energy and Applications	4	2	1h30	1h30		45h00	55h00	40%	60%
	Hydroelectric and Wind Energy	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological UE Code : MUE 1.2 Credits : 9 Coefficients : 5	Assembly and Sizing of Energy Projects	3	2	1h30		1h00	37h30	37h30	40%	60%
	Lab: Energy Conversion	2	1			1h30	22h30	27h30	100%	
	Thermal Metrology, Control, and Regulation	4	2	1h30		1h30	45h00	55h00	40%	60%
Discovery UE Code : DUE 1.2 Credits : 2 Coefficients : 2	Elective Subject	1	1	1h30			22h30	02h30		100%
	Elective Subject	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 1.2 Credits : 1 Coefficients : 1	Respect for standards and rules of ethics and integrity	1	1	1h30			22h30	02h30		100%
Total semester 2		30	17	15h00	6h00	4h00	375h00	375h00		

Semester 3

Teaching Unit	Subjects	C r	C o	Weekly Hourly Volume	Semester Hourly	Additional Work in	Evaluation Method
---------------	----------	--------	--------	----------------------	-----------------	--------------------	-------------------

		e d i t s	e f f i c i e n t	Course	TD	TP	Volume (15 weeks)	Consultation (15 weeks)	Continu ous Assess ment	Exam
Fundamental UE Code : FUE 2.1.1 Credits : 8 Coefficients : 4	Working Fluids, Materials, and Storage Systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Energy and Thermal Efficiency of Buildings	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental UE Code : FUE 2.1.2 Credits : 10 Coefficients : 5	Photovoltaic Solar Energy and Applications	4	2	1h30	1h30		45h00	55h00	40%	60%
	Fuel Cells and Hydrogen Production	4	2	1h30	1h30		45h00	55h00	40%	60%
	Maintenance des systèmes à énergies renouvelables	2	1	1h30			22h30	27h30		100%
Methodological UE Code : MUE 2.1 Credits : 9 Coefficients : 5	Maintenance of Renewable Energy Systems	2	1			1h30	22h30	27h30	100%	
	Solar Cooling and Air Conditioning	1	1			1h00	15h00	10h00	100%	
	Heat Exchangers	2	1	1h30			22h30	27h30		100%

	Techno-Economic Analysis and Renewable Energy Project Management	4	2	1h30		1h30	45h00	55h00	40%	60%
Discovery UE Code : DUE 2.1 Credits : 2 Coefficients : 2	Renewable Energies	1	1	1h30			22h30	02h30		100%
	Energy Transport and Storage	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 2.1 Credits : 1 Coefficients : 1	Documentary research and dissertation design	1	1	1h30			22h30	02h30		100%
Total semester 3		30	17	15h00	6h00	4h00	375h00	375h00		