

## Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hours			Semester Hours (15 weeks)	Additional Work (15 weeks)	Assessment Method	
	Titled			course	supervised work	practical work			Continuous Assessment	Exam
<b>Fundamental UE</b> Code : UEF 1.1.1 Crédits : 10 Coefficient : 5	<b>Advanced Fluid Mechanics</b>	6	3	3h00	1h30		67h30	82h30	40%	60%
	<b>Advanced Thermodynamics and Transport Phenomena</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Fundamental UE</b> Code : UEF 1.1.2 Crédits : 8 Coefficient : 4	<b>Renewable Resources and Meteorology</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Applied Numerical Methods</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Methodological UE</b> Code : UEM 1.1 Crédits : 9 Coefficient : 5	<b>Renewable Energies and Energy Challenges</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Practical Work on Renewable Resources and Meteorology</b>	3	2			2h30	37h30	37h30	100%	
	<b>Practical Work on Applied Numerical Methods</b>	2	1			1h30	22h30	27h30	100%	
<b>Exploratory UE</b> Code : UED 1.1 Crédits : 2 Coefficient : 2	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%
	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%
<b>Transversal UE</b> Code : UET 1.1	<b>Technical English and Terminology</b>	1	1	1h30			22h30	02h30		100%

Crédits : 1 Coefficient : 1										
<b>Total semester 1</b>		<b>30</b>	<b>17</b>	<b>13h30</b>	<b>7h30</b>	<b>4h00</b>	<b>375h00</b>	<b>375h00</b>		

## Semester 2

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hours			Semester Hours (15 weeks)	Additional Work (15 weeks)	Assessment Method	
	Titled			course	super vised work	practi cal work			Continuo us Assessm ent	Exam
<b>Fundamental UE</b> Code : UEF 1.2.1 Crédits : 10 Coefficient : 5	<b>Solar Radiation</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Advanced Heat Transfer and Transport Phenomena</b>	6	3	3h00	1h30		67h30	82h30	40%	60%
<b>Fundamental UE</b> Code : UEF 1.2.2 Crédits : 8 Coefficient : 4	<b>Thermal Solar Energy and Applications</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Hydropower and Wind Energy</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Methodological UE</b> Code : UEM 1.2 Crédits : 9 Coefficient : 5	<b>Project Design and Sizing in RE</b>	3	2	1h30		1h00	37h30	37h30	<b>40%</b>	<b>60%</b>
	<b>Conversion Lab</b>	2	1			1h30	22h30	27h30	100%	
	<b>Thermal Metrology, Control and Regulation</b>	4	2	1h30		1h30	45h00	55h00	40%	60%
<b>Exploratory UE</b> Code : UED 1.2 Crédits : 2 Coefficient : 2	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%
	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%

<b>Transversal UE</b> Code : UET 1.2 Crédits : 1 Coefficient : 1	<b>Standards, Ethics and Integrity</b>	1	1	1h30			22h30	02h30		100%
<b>Total semester 2</b>		<b>30</b>	<b>17</b>	<b>15h00</b>	<b>6h00</b>	<b>4h00</b>	<b>375h00</b>	<b>375h00</b>		

### Semester 3

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hours			Semester Hours (15 weeks)	Additional Work (15 weeks)	Assessment Method	
	Titled			course	supervised work	practical work			Continuous Assessment	Exam
<b>Fundamental UE</b> Code : UEF 2.1.1 Crédits : 8 Coefficient : 4	<b>Working Fluids, Materials and Storage Devices</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Building Energy and Thermal Efficiency</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Fundamental UE</b> Code : UEF 2.1.2 Crédits : 10 Coefficient : 5	<b>Photovoltaic Solar Energy and Applications</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Fuel Cells and Hydrogen Production</b>	4	2	1h30	1h30		45h00	55h00	40%	60%
	<b>Renewable Energy System Maintenance</b>	2	1	1h30			22h30	27h30		100%

<b>Methodological UE</b> Code : UEM 2.1 Crédits : 9 Coefficient : 5	<b>Simulation and Sizing Software for RE Systems</b>	2	1			1h30	22h30	27h30	100%	
	<b>Solar Cooling and Air Conditioning</b>	1	1			1h00	15h00	10h00	100%	
	<b>Heat Exchangers</b>	2	1	1h30			22h30	27h30		100%
	<b>Techno-Economic Study and RE Project Management</b>	4	2	1h30		1h30	45h00	55h00	40%	60%
<b>Exploratory UE</b> Code : UED 2.1 Crédits : 2 Coefficient : 2	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%
	<b>Elective Module</b>	1	1	1h30			22h30	02h30		100%
<b>Transversal UE</b> Code : UET 2.1 Crédits : 1 Coefficient : 1	<b>Research and Thesis Writing</b>	1	1	1h30			22h30	02h30		100%
<b>Total semester 3</b>		<b>30</b>	<b>17</b>	<b>15h00</b>	<b>6h00</b>	<b>4h00</b>	<b>375h00</b>	<b>375h00</b>		