

Semester1

Teaching Unit	Subjects	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Title			Course	DW	PW			Title	Exam
TU Fondamental Code : UEF 1.1.1 Credits : 8 Coefficient : 4	Advanced Fluid Mechanics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Thermal Machines	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fondamental Code : UEF 1.1.2 Credits : 10 Coefficient : 5	Advanced Heat and Mass Transfer	6	3	3h00	1h30		67h30	82h30	40%	60%
	Advanced Numerical Methods	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : UEM 1.1 Credits : 9 Coefficient: 5	Instrumentation and Measurements	4	2	1h30		1h30	45h00	55h00	40%	60%
	PW on Numerical Methods	2	1			1h30	22h30	27h30	100%	
	PW on Thermal machines	2	1			1h30	22h30	27h30	100%	
	PW on Fluid Mechanics	1	1			1h00	15h00	10h00	100%	
TU Discovery Code : TUD 1.1 Credits :2 Coefficient: 2	Elective Subject	1	1	1h30			22h30	02h30		100%
	Elective Subject	1	1	1h30			22h30	02h30		100%
TU Transverse Code : TUT 1.1 Credits : 1 Coefficient: 1	Technical English and Terminology	1	1	1h30			22h30	02h30		100%
Total semestre 1		30	17	13h30	6h00	5h30	375h00	375h00		

Semester2

Teaching Unit	Subjects	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Title			Course	DW	PW			Title	Exam
TU Fondamental Code : UEF 1.2.1 Credits :10 Coefficient : 5	Combustion	4	2	1h30	1h30		45h00	55h00	40%	60%
	Gas Dynamics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Thermal Drying	2	1	1h30			22h30	27h30		100%
TU Fondamental Code : UEF 1.2.2 Credits : 8 Coefficient : 4	Heating and Air Conditioning	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced Turbomachinery	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : UEM 1.2 Credits : 9 Coefficient: 5	Finite Volume Methods	6	3	1h30		3h00	67h30	82h30	40%	60%
	Control and Regulation	3	2	1h30		1h00	37h30	37h30	40%	60%
TU Discovery Code : TUD 1.2 Credits :2 Coefficient: 2	Elective Subject	1	1	1h30			22h30	02h30		100%
	Elective Subject	1	1	1h30			22h30	02h30		100%
TU Transverse Code : TUT 1.2 Credits : 1 Coefficient: 1	Compliance with standards and rules of ethics and integrity	1	1	1h30			22h30	02h30		100%
Total semestre 2		30	17	15h00	6h00	4h00	375h00	375h00		

Semester3

Teaching Unit	Subjects	Credits	Coefficient	Weekly hourly volume			Half-Yearly Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Assessment method	
	Title			Course	DW	PW			Title	Exam
TU Fondamental Code : UEF 2.11 Credits : 8 Coefficient : 4	Advanced Internal Combustion Engines	4	2	1h30	1h30		45h00	55h00	40%	60%
	Cryogenics	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fondamental Code : UEF 2.1.2 Credits :10 Coefficient : 5	Propulsion Mechanics	6	3	3h00	1h30		67h30	82h30	40%	60%
	Heat Exchangers	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : UEM 2.1 Credits : 9 Coefficient: 5	CFD and Software	4	2			3h00	45h00	55h00	100%	
	Optimization	3	2	1h30		1h00	37h30	37h30	40%	60%
	PW Heat Exchangers	2	1			1h30	22h30	27h30	100%	
TU Discovery Code : TUD 2.1 Credits :2 Coefficient: 2	Elective Subject	1	1	1h30			22h30	02h30		100%
	Elective Subject	1	1	1h30			22h30	02h30		100%
TU Transverse Code : TUT 2.1 Credits : 1 Coefficient: 1	Documentary Research and Dissertation Design	1	1	1h30			22h30	02h30		100%
Total semestre 3		30	17	13h30	6h00	5h30	375h00	375h00		

Semester4

This semester is dedicated to completing the final project for the master's degree. It is carried out in a company or in a research laboratory (university or research center). It culminates in a dissertation and a defense.

	VHS	Coeff	Credits
Personal Work	550	09	18
Internship in a company or laboratory	100	04	06
Seminars	50	02	03
Other (Supervision)	50	02	03
Total Semester 4	750	17	30