

Semester 1: Mechanical construction

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
Fundamental EU Code: UEF 1.1.1 Credits: 10 Coefficients: 5	Mechanics of continuous media	6	3	3h	00	1h30	67h30	82h30	40%	60%
	Resistance of materials Advance	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.1.2 Credits: 8 Coefficients: 4	Internal combustion engines	4	2	1h30	1h30		45h00	55h00	40%	60%
	Applied Fluid Mechanics	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological EU Code: UEM 1.1 Credits: 9 Coefficients: 5	TP MDF/RDM	2	1			1h30	10:30 p.m.	27:30	100%	
	Manufacturing techniques Conventional and advanced	4	2	1h30		1h30	45h00	55h00	40%	60%
	Automation of industrial systems	3	2	1h30		1 hour	37h30	37h30	40%	60%
EU Discovery Code: UED 1.1 Credits: 2 Coefficients: 2	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 1.1 Credits: 1 Coefficients: 1	Technical English and Terminology	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 1		30	17	3:00 p.m.	6:00 a.m.	4:00 a.m.	375 hours	375 hours		

Semester 2: Mechanical construction

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Hourly Volume Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
Fundamental EU Code: UEF 1.2.1 Credits: 10 Coefficients: 5	Finite element method	6	3	3h00	1h30		67h30	82h30	40%	60%
	Advanced Structural Dynamics	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 1.2.2 Credits: 8 Coefficients: 4	Articulated mechanical systems and robotics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Mechanical systems design	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological EU Code: UEM 1.2 Credits: 9 Coefficients: 5	Practical work Element method finished	2	1			1h30	10:30 p.m.	27:30	100%	
	CAD/CAM	3	2	1h30		1 hour	37h30	37h30	40%	60%
	Optimization	4	2	1h30		1h30	45h00	55h00	40%	60%
EU Discovery Code: UED 1.2 Credits: 2 Coefficients: 2	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 1.2 Credits: 1 Coefficients: 1	Compliance with standards and rules of ethics and integrity	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 2		30	17	3h00	p.m. 6:00	a.m. 4:00	a.m.	375 hours	375 hours	

Semester 3: Mechanical construction

Unit teaching	Materials	Credits	Coefficient	Hourly volume weekly			Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method	
	Titled			Course	TD	TP			Control Continuous	Exam
Fundamental EU Code: UEF 2.1.1 Credits: 10 Coefficients: 5	Materials	4	2	1h30	1h30		45h00	55h00	40%	60%
	Dynamics of rotating machines	4	2	1h30	1h30		45h00	55h00	40%	60%
	Metal frame	2	1	1h30			10:30 p.m.	27:30		100%
Fundamental EU Code: UEF 2.1.2 Credits: 8 Coefficients: 4	Composite materials	4	2	1h30	1h30		45h00	55h00	40%	60%
	Fracture mechanics and fatigue	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological EU Code: UEM 2.1 Credits: 9 Coefficients: 5	Methods Office	4	2	1h30		1h30	45h00	55h00	40%	60%
	Turbomachines	3	2	1h30		1 hour	37h30	37h30	40%	60%
	Numerical simulation software in mechanics	2	1			1h30	10:30 p.m.	27:30	100%	
EU Discovery Code: UED 2.1 Credits: 2 Coefficients: 2	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Subject of your choice	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 2.1 Credits: 1 Coefficients: 1	Documentary research and memory design	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Total semester 3		30	17	3:00 p.m.	6:00 a.m.	4:00 a.m.	375 hours	375 hours		