

**Semester Organizational Sheets for Specialty Teaching in the
English Language**

Semester 1 Master : Maintenance Engineering

Teaching unit	Courses	Crédits	Coefficient	Weekly hourly volume			Semesterly Course Load (15 weeks)	Complementary work (15 weeks)	Method of assessment	
	Entitled			Lecture	Tutorial	Practical work			Continuous assessment	Exam
Fundamental TU Code: FTU 1.1.1 Credits: 8 Coefficients: 4	Maintenance Engineering	4	2	1h30	1h30		45h00	50h00	40%	60%
	Machine Design	4	2	1h30	1h30		45h00	50h00	40%	60%
Methodological Unit Code: MTU 1.1 Credits: 20 Coefficients: 10	Materials Engineering	4	2	1h30	1h30	0h30	52h30	55h00	40%	60%
	Sensors and Measurement Chains	4	2	1h30	1h00	0h30	45h00	55h00	40%	60%
	Industrial Automation	4	2	1h30	1h30	0h30	52h30	55h00	40%	60%
	Tribology	4	2	1h30	1h00	0h30	45h00	55h00	40%	60%
	Applied Statistics in Maintenance	4	2	1h30	1h00	0h30	45h00	50h00	40%	60%
Discovery TU Code: DTU 1.1 Credits: 1 Coefficients: 1	Metrology	1	2	1h30			22h30	02h30		100%
Transversal TU Code: TTU 1.1 Credits: 1 Coefficients: 1	English 1	1	1	1h30			22h30	02h30		100%
Total semester 1		30	17	13h30	9h00	2h30	375h00	375h00		

Semester 2 Master Maintenance Engineering

Teaching unit	Courses	Crédits	Coefficient	Weekly hourly volume			Semesterly Course Load (15 weeks)	Complementary work (15 weeks)	Method of assessment	
	Entitled			Lecture	Tutorial	Practical work			Continuous assessment	Exam
Fundamental TU Code: FTU 1.1.1 Credits: 12 Coefficients: 6	Maintenance Management	4	2	1h30	1h30		45h00	50h00	40%	60%
	Operational Research	4	2	1h30	1h30		45h00	50h00	40%	60%
	Industrial Risks	4	2	1h30	1h30		45h00	50h00	40%	60%
Methodological Unit Code: MTU 1.1 Credits: 16 Coefficients: 8	Computer-Aided Maintenance Management (CMMS)	4	2	1h30		1h00	37h30	55h00	40%	60%
	Mechatronics	4	2	1h30		1h30	45h00	55h00	40%	60%
	Diagnosis and Prognosis	4	2	1h30		1h30	45h00	55h00	40%	60%
	Techniques Applied in Condition-Based Maintenance	4	2	1h30		1h30	45h00	55h00	40%	60%
Discovery TU Code: DTU 1.1 Credits: 1 Coefficients: 1	Business Organization	1	1	1h30			22h30	02h30		100%
Transversal TU Code: TTU 1.1 Credits: 1 Coefficients: 1	Compliance with Standards and Rules of Ethics and Integrity	1	1	1h30			22h30	02h30		100%
	English 2	1	1	1h30			22h30	02h30		100%
Total semester 2		30	17	15h00	4h30	5h30	375h00	375h00		

Semester 3 Master : Maintenance Engineering

Teaching unit	Courses	Crédits	Coefficient	Weekly hourly volume			Semesterly Course Load (15 weeks)	Complementary work (15 weeks)	Method of assessment	
	Entitled			Lecture	Tutorial	Practical work			Continuous assessment	Exam
Fundamental TU Code: FTU 1.1.1 Credits: 8 Coefficients: 4	Dependability or Reliability Engineering	4	2	1h30	1h30		45h00	50h00	40%	60%
	Maintenance Contracts and Specifications	4	2	1h30	1h30		45h00	50h00	40%	60%
Methodological Unit Code: MTU 1.1 Credits: 20 Coefficients: 11	Maintenance Project Management	6	4	1h30	1h30	1h30	67h30	75h00	40%	60%
	Industrial Computing	6	3	1h30	1h30	1h30	67h30	75h00	40%	60%
	Modeling and Simulation	4	2	1h30	1h30	1h00	60h00	70h00	40%	60%
	Non-Destructive Testing (NDT)	4	2	1h30		1h30	45h00	50h00	40%	60%
Discovery TU Code: DTU 1.1 Credits: 1 Coefficients: 1	Integrated Management System (IMS)	1	1	1h30			22h30	02h30		100%
Transversal TU Code: TTU 1.1 Credits: 1 Coefficients: 1	English 3	1	1	1h30			22h30	02h30		100%
Total semester 3		30	17	12h00	7h30	5h30	375h00	375h00		

Semester 4 master: Maintenance Engineering

Internship in a Laboratory or Company culminating in an internship report, a final dissertation (FYP), and an oral defense.

Teaching unit		Title of Contents	Credits	Coefficient	TU Hourly volume	Semesterly Course Load (15 weeks)
Fundamental TU Code: FTU 4 Credits: 30 Coefficients: 10	FTU 4.1: Internship Master's mark (Company or laboratory)	Company or laboratory assessment	10	5	450h	450h
	FTU 4.2: Final Year Project mark	Internship report or FYP	10	6		
		Internship defense or FYP	10	6		
Total semester 4			30	17	450h	450h