III - Organization sheet for teaching units

Summary table of modules and teaching units per semester

SYear 1: Lice nthis – So Technologies uday e- L TS **UFMC1**

Unit teaching	Materials Titled	Credits	Coefficient	Half-yearly hourly volume Course	TD	TP	Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method Control Continuous	Exam
EU Fundamental Code: UEF 1.1 Credits: 10 Coefficients: 4	**M111**:MECA 1 - Static	3	1	9:00 a.m.	3:00 p.m.	9:00 a.m.	**33h00**	30h00	40%	60%
	M112:Industrial Design 1: drawing basis	4	2	12:00 p.m.	42 hours	-	**54h00**	30h00	40%	60%
	M113:Materials 1- Properties and designation	3	1	9:00 a.m.	3:00 p.m.	9:00 a.m.	**33h00**	30h00	40%	60%
EU Methodological Code: UEM 1.1 Credits: 10 Coefficients: 5	**M121**:FAB 1- Manufacturing Technology	4	2	6:00 p.m.	6:00 p.m.	27h00	**63h00**	30h00	40%	60%
	M122:Metrology 1	2	1	6:00 a.m.	3:00 p.m.	9:00 a.m.	**30h00**	10:30 p.m.	40%	60%
	M123:AUTO 1 – Basics of automation	2	1	12:00 p.m.	3:00 p.m.	6:00 p.m.	**45h00**	30h00	40%	60%
	M124:Internship –1 (4 weeks)	2	1	-	-	-	(4:00 p.m.)	-	100%	-
Transversal EU Code: UET 1.1 Credits: 10 Coefficients: 5	**M131**:MATHS 1	3	1	6:00 p.m.	24h00	-	**42h00**	10:30 p.m.	40%	60%
	M132:Com 1- Communication and expression	2	1	-	12:00 p.m.	12:00 p.m.	**24h00**	10:30 p.m.	40%	60%
	M133:English 1	2	1	-	12:00 p.m.	12:00 p.m.	**24h00**	10:30 p.m.	40%	60%
	M134:Security	2	1	-	6:00 p.m.	-	**6:00 p.m.**	10:30 p.m.	40%	60%
	M135:PPP1 - Personal Professional Project: Know yourself better, discovery of professions	1	1	-	9:00 a.m.	9:00 a.m.	**6:00 p.m.**	10:30 p.m.	40%	60%
Total semester 1		**30**	**14**	**84h00**	**7:00 p.m.**	**105h00**	**384h00**	**285h00**	**-**	**-**

Semester 2: Bachelor's Degree - Welding Technologies – LTS **UFMC1**

Unit teaching	Materials Titled	Credits	Coefficient	Half-yearly hourly volume Course	TD	TP	Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method Control Continuous	Exam
EU Fundamental Code: UEF 2.1 Credits: 11 Coefficients: 7	**M211**:MECA 2- Resistance of Materials	3	2	12:00 p.m.	3:00 p.m.	6:00 p.m.	**45h00**	30h00	40%	60%
	M212:Industrial Design 2	3	2	12:00 p.m.	3:00 p.m.	24h00	**51h00**	30h00	40%	60%
	M213:Materials 2- Tests and behavior	3	2	12:00 p.m.	3:00 p.m.	6:00 p.m.	**45h00**	30h00	40%	60%
	M214:Project management	2	1	3:00 a.m.	9:00 a.m.	6:00 p.m.	**30h00**	30h00	40%	60%
EU Methodological Code: UEM 2.1 Credits: 10 Coefficients: 6	**M221:**FAB 2- Implementation of Production Means	3	2	12:00 p.m.	9:00 p.m.	27h00	**60h00**	45h00	40%	60%
	M222:FAB 3- Methods Office	3	2	12:00 p.m.	9:00 p.m.	6:00 p.m.	**51h00**	45h00	40%	60%
	M223:Electricity	2	1	12:00 p.m.	3:00 p.m.	12:00 p.m.	**39h00**	30h00	40%	60%
	M224:Metrology 2	2	1	6:00 a.m.	9:00 a.m.	9:00 a.m.	**24h00**	30h00	40%	60%
Transversal EU Code: UET 2.1 Credits: 9 Coefficients: 6	**M231**:MATHS 2	2	1	6:00 p.m.	27h00	-	**45h0**	10:30 p.m.	40%	60%
	M232:Com 2-Com. and expression	2	1	-	3:00 p.m.	3:00 p.m.	**30h00**	10:30 p.m.	40%	60%
	M233:English 1	2	1	-	3:00 p.m.	3:00 p.m.	**30h00**	10:30 p.m.	40%	60%
	M234:PPP (Knowledge of trades)	1	1	-	6:00 a.m.	9:00 a.m.	**3:00 p.m.**	10:30 p.m.	40%	60%
	M235:Computer science	1	1	-	-	24h00	**24h00**	10:30 p.m.	40%	60%
	M236:Company Organization	1	1	12:00 p.m.	12:00 p.m.	-	**24h00**	10:30 p.m.	40%	60%
Total semester 2		**30**	**19**	**111:00 a.m.**	**7:00 p.m.**	**8:00 p.m.**	**513h00**	**405h00**		

Semester 3: Bachelor's Degree - Welding Technologies – LTS **UFMC1**

Unit teaching	Materials Titled	Credits	Coefficient	Half-yearly hourly volume Course	TD	TP	Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method Control Continuous	Exam
EU Fundamental Code: UEF 3.1 Credits: 10 Coefficients: 5	**M311**:MECA 3 (Dynamic Kinematics)	4	2	12:00 p.m.	3:00 p.m.	6:00 p.m.	**45h00**	30h00	40%	60%
	M312:Industrial design 3 - (CAD)	4	2	-	-	45h00	**45h00**	30h00	40%	60%
	M313:Stage 2 – 8 Weeks (Form: master note of internship)	2	1	-	-	-	(320h00)	-	100%	0%
EU Methodological Code: UEM 3.1 Credits: 11 Coefficients: 7	**M321**:Preparation of a MOCN production	3	2	12:00 p.m.	6:00 p.m.	-	**30h00**	45h00	40%	60%
	M322:Methods (Manufacturing phase + costs)	3	2	12:00 p.m.	12:00 p.m.	-	**30h00**	30h00	40%	60%
	M323:Hydraulic + Pneumatic all or nothing	3	2	9:00 a.m.	12:00 p.m.	9:00 a.m.	**30h00**	45h00	40%	60%
	M324:Internship 2 – 8 Weeks (Background: internship supervisor's note)	2	1	-	-	-	(320h00)	-	100%	0%
Transversal EU Code: UET 3.1 Credits: 9 Coefficients: 7	**M331**:Math 3	3	2	3:00 p.m.	3:00 p.m.	-	**30h00**	10:30 p.m.	40%	60%
	M332:COM 3 (Communication Expression)	1	1	-	-	3:00 p.m.	**3:00 p.m.**	10:30 p.m.	40%	60%
	M333:English 3	1	1	-	-	3:00 p.m.	**3:00 p.m.**	10:30 p.m.	40%	60%
	M334:PPP 3 (Personal and Professional Project)	1	1	-	6:00 a.m.	9:00 a.m.	**3:00 p.m.**	10:30 p.m.	40%	60%
	M335:Stage 2 – 8 Weeks (Internship defense)	3	2	-	-	-	(320h00)	-	100%	0%
Total semester 3		**30**	**19**	**60h00**	**99h00**	**96h00**	**255h00**	**270h00**		

Semester 4: Bachelor's Degree - Welding Technologies – LTS **UFMC1**

Unit teaching	Materials Titled	Credits	Coefficient	Hourly volume Weekly Tutorial	Course	TP	Volume Hourly Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method Ccontrol Continuous	Exam
Fundamental EU Code: UEF 4.1 Credits: 8 Coefficients: 4	**M411**:Welding processes and materials (Part 1)	4	2	1h30	1h30	-	**45h00**	30h00	40%	60%
	M412:Materials and their behavior during welding (Part 1)	4	2	1h30	1h30	-	**45h00**	30h00	40%	60%
Fundamental EU Code: UEF 4.2 Credits: 8 Coefficients: 4	**M421**:Welding processes and materials (Part 3)	4	2	1h30	1h30	-	**45h00**	45h00	40%	60%
	M422:Materials and their behavior during welding (Part 3)	4	2	1h30	1h30	-	**45h00**	45h00	40%	60%
EU Methodological Code: UEM 4.1 Credits: 8 Coefficients: 4	**M431**:Basic Practical Welding Training (Part 2.1)	4	2	-	-	3:00 a.m.	**45h00**	30h00	100%	-
	M432:Organization and maintenance methods	4	2	1h30	-	1h30	**45h00**	10:30 p.m.	40%	60%
Transversal EU Code: UET 4.1 Credits: 6 Coefficients: 3	**M441**:Supervised project1	2	1	-	-	1:30 a.m.	**10:30 p.m.**	10:30 p.m.	-	100%
	M442:Quality	2	1	1h30	1h30	-	**45h00**	10:30 p.m.	40%	60%
	M443:Management	2	1	1h30	1h30	-	**45h00**	10:30 p.m.	40%	60%
Total semester 4		**30**	**15**	**10:30 a.m.**	**9:30 a.m.**	**6:30 a.m.**	**382h30**	**270h00**		

Establishment: UFMC1 License Title: Welding and Welded Assemblies Year: 2020-2021

Semester 5: Bachelor's Degree - Welding Technologies – LTS **UFMC1**

Unit teaching	Materials Titled	Credits	Coefficient	Hourly volume Weekly Course	TD	TP	Hourly Volume Biannual (15 weeks)	Work Complementary in consultation (15 weeks)	Assessment method Control Continuous	Exam
Fundamental EU Code: UEF 5.1 Credits: 10 Coefficients: 6	**M511**:Manufacturing and Engineering Applications: Case Study	5	3	1:30 a.m.	1:30 a.m.	-	45h00	45h00	40%	60%
	M512:Design and calculation	5	3	1:30 a.m.	1:30 a.m.	-	45h00	45h00	40%	60%
Fundamental EU Code: UEF 5.2 Credits: 8 Coefficients: 4	**M521**:Manufacturing and Engineering Applications (Part 3)	4	2	1:30 a.m.	1:00 a.m.	12:30 a.m.	45h00	45h00	40%	60%
	M522:Fracture mechanics and fatigue	4	2	1:30 a.m.	1:00 a.m.	12:30 a.m.	45h00	45h00	40%	60%
EU Methodological Code: UEM 5.1 Credits: 8 Coefficients: 4	**M531**:Basic Practical Welding Training (Part 2.2)	4	2	-	-	2:00 a.m.	30h00	45h00	100%	
	M531:Industrial Maintenance	4	2	1:30 a.m.	1:00 a.m. to	12:30 a.m.	45h00	45h00	40%	60%
Transversal EU Code: UET 5.1 Credits: 4 Coefficients: 3	**M541**:Tutored Project 2	1	1	-	-	1:30 a.m.	10:30 p.m.	10:30 p.m.		100%
	M542:Business economics	3	2	1:30 a.m.	1:30 a.m.	-	45h00	10:30 p.m.		100%
Total semester 5		**30**	**17**	**9:00 a.m.**	**8:00 a.m.**	**5:30 a.m.**	**345h00**	**270h00**		

Semester 6License - Welding Technologies - LTS **UFMC1**

Internship in a laboratory or company, validated by an internship report + an end-of-study dissertation (PFE) and a defense.

Teaching unit		Materials Titled	Credits	Coefficient	Hourly volume By EU	Hourly Volume Biannual (15 weeks)
Fundamental EU Code: UEF 6 Credits: 30 Coefficients: 10	**UEF 6.1:** **Note from the Internship Supervisor** (Business)	Company evaluation	10	5	450H	450H
	UEF 6.1: Final Year Project Note	Internship report or PFE	10	5		
		internship or PFE defense	10	5		
Total semester 6			**30**	**15**	**450H**	**450H**