

EDUCATIONAL PLAN
 university year 2018-2019
 Year of study I

Cod	Disciplines	Type of disciplines	S.I./Sem (ore)	Number of weekly hours and form of verification													
				Semester I 14 weeks						Semester II 14 weeks							
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
	IMPLIED OBLIGATORS																
CIDF1O01	Linear algebra, analytical geometry and differential	DF	44	2	2	-	-	E	4								
CIDF1O02	Descriptive geometry	DF	80	3		2		E	6								
CIDF1O03	Chemistry	DF	69	2	-	2	-	C	5								
CIDF1O04	Physics	DF	33	2	1	-	-	E	3								
CIDD1O05	Science materials	DD	69	2	-	2		E	5								
CIDF1O06	Technical drawing and infographics 1	DF	47	1	-	1	-	E	3								
CIDC1O07	Sports 1	DC	11	-	1	-	-	C (A/R)	1								
CIDF2O18	Technical drawing and infographics 2	DF	91							2	-	4		E		7	
CIDF2O19	Computers programming and programming languages	DF	22							1	-	1	-	C		2	
CIDF2O20	Mathematics analysis	DF	94							3	1	-	-	E		6	
CIDD2O21	Mechanics 1	DD	102							3	2	2	-	E		8	
CIDD2O22	Materials technology	DD	69							2	-	2	-	E		5	
CIDC2O23	Sports 2	DC	11							-	1	-	-	C(A/R)		1	
	TOTAL			12	4	7	0	-	26+1	11	4	9	0	-	28+1		
	OPTIONAL OBLIGATORS			C	S	L	Pr	Ev	K								
CIDC1A08	Communication	DC	36	1	-	-	-	C	2								
CIDC1A09	Philosophy																
CIDC1A10	Ethics and academic integrity																
CIDC1A11	English 1	DC	22	-	2	-	-	C	2	C	S	L	Pr	Ev	K		
CIDC1A12	French 1																
CIDC1A13	German 1																
CIDC2A24	English 2	DC	22	-	2	-	-	C	2	-	2	-	-	C	2		
CIDC2A25	French 2																
CIDC2A26	German 2																
	TOTAL S1/S2 (Obl. Optional)			1	2	0	0	K4		0	2	0	0	K2			
	TOTAL year of study I (Obl. Optional)			1C+4S							2C						K6
	TOTAL S1/S2			13	6	7	0	K30+1		11	6	9	0	K30+1			
	TOTAL OBLIGATORS			26							26						
	TOTAL DISCIPLINES OBLIGATORS An I			24C+12S+16L+0P							9E+5C+2A/R						K60+2
	FACULTATIVE			C	S	L	Pr	Ev	K								
CIDF1F14	Mathematical Complements	DF	8	1	2	-	-	C	2								
CIDC1F15	Sports	DC	22		2	-	-	C	2								
CIDC1F16	Modern Language	DC	22	-	2	-	-	C	2								
CIDC1F17	Psychology of education	DC	69	2	2	-	-	E	5	C	S	L	Pr	Ev	K		
CIDC2F27	History of Sciences	DC	22							2	-	-	-	C	2		
CIDF2F28	Mathematical Complements	DF	8							1	2	-	-	C	2		
CIDC2F29	Sports	DC	22							-	2	-	-	C	2		
CIDC2F30	Modern Language	DC	22							-	2	-	-	C	2		
CIDC2F31	Pedagogy I (Fundamentals of pedagogy + Curriculum theory and methodology)	DC	69							2	2	-	-	E	5		
	TOTAL FACULTATIVE S1/S2			3	8	0	0	K 11		5	8	0	0	K 13			
	TOTAL DISCIPLINES FACULTATIVE An I			8C+16S+0L							2E+7C						K23

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 university year 2018-2019
 Year of study II

Cod	Disciplines	Type of disciplines	S.I. / Sem (or e)	Number of weekly hours and form of verification														
				Semester III 14 weeks						Semester IV 14 weeks								
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K			
	IMPLIED OBLIGATORS																	
CIDF3O01	Special mathematics	DF	91	2	2	-	-	E	6									
CIDD3O02	Mechanics 2	DD	63	3	2	1	-	E	6									
CIDD3O03	Design of welding products	DD	55	2	1	-	-	C	4									
CIDD3O04	Tolerances and dimensional control	DD	80	2	-	1	-	E	5									
CIDF3O05	Technical drawing and infographics 3	DF	30	-	-	3	-	C	3									
CIDD3O06	The resistance of materials 1	DD	66	2	1	1	-	E	5									
CIDC3O07	Sports 3	DC	19	-	2	-	-	C(A/R)	2									
CIDD4O15	The resistance of materials 2	DD	66							2	1	1	-	E	5			
CIDF4O16	Technical drawing and infographics 4	DF	5							-	-	3	-	C	2			
CIDD4O17	Thermotechnics	DD	41							3	1	-	-	E	4			
CIDD4O18	Fluids mechanics	DD	30							2	-	1	-	C	3			
CIDD4O19	Mechanical vibration	DD	41							2	-	2	-	E	4			
CIDD4O20	Tools machines and processing through splinting	DD	55							2	-	1	-	E	4			
CIDD4O21	Electrotechnics	DD	16							2	-	2	-	E	3			
CIDD4O22	Practice in the industrial field	DD	97	90 hours*										C	4			
	TOTAL			11	8	6	-	-	29+2	13	2	10	-	-	29			
	OPTIONAL OBLIGATORS			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K			
CIDC3A08	English 3	DC	8	-	1	-	-	C	1									
CIDC3A09	French 3	DC																
CIDC3A10	German 3	DC																
CIDC4A23	English 4	DC	8							-	1	-	-	C	1			
CIDC4A24	French 4	DC																
CIDC4A25	German 4	DC																
	TOTAL S1/S2 (Obl. Optional)			-	1	-	-	K1		-	1	-	-	K1				
	TOTAL year of study II (Obl. Optional)			2S							2C				K2			
	TOTAL OBLIGATORII S1/S2			11	9	6	-	K30+2		13	3	10	-	K30				
	TOTAL OBLIGATORII			26							26				K60+2			
	TOTAL DISCIPLINES OBLIGATORII An II			24C+12S+16L+0P					30+2		9E+7C+1A/R					30		
	FACULTATIVE			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K			
CIDF3F11	Mathematical Complements	DF	5	1	2	-	-	C	2									
CIDC3F12	Sports	DC	19	-	2	-	-	C	2									
CIDC3F13	Modern Language	DC	19	-	2	-	-	C	2									
CIDC3F14	Pedagogy	DC	66	2	2	-	-	E	5									
CIDC4F26	Legislation and certification	DC	19							2	-	-	-	C	2			
CIDF4F27	Mathematical Complements	DF	5							1	2	-	-	C	2			
CIDC4F28	Sports	DC	19							-	2	-	-	C	2			
CIDC4F29	Modern Language	DC	19							-	2	-	-	C	2			
CIDC4F30	Specialty teaching	DC	66							2	2	-	-	E	5			
	TOTAL FACULTATIVE S1/S2			3	8	-	-	K11		5	8	-	-	K13				
	TOTAL DISCIPLINES FACULTATIVE An II			8C+16S+0L						2E+7C				K24				

* Note: Practice will be done at the end of the semester IV- 3 weeks (6 hours per day x 5 days of the week x 3 weeks=90 ore)

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 Year of study III

Cod	Disciplines	Type of disciplines	S.I./Sem (ore)	Number of weekly hours and form of verification													
				Semester V 14 weeks						Semester VI 14 weeks							
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
	IMPLIED OBLIGATORS																
C1DD5O01	Tribology	DD	55	2	-	1	-	E	4								
C1DS5O02	Theory of welding processes	DS	66	2	-	2	-	E	5								
C1DD5O03	Machines and electrical actuations	DD	30	2	-	1	-	E	3								
C1DD5O04	Thermal treatments	DD	77	3	-	2	-	E	6								
C1DS5O05	Control of welding joints	DS	66	2	-	2	-	E	5								
C1DD5O06	Machine devices 1	DD	41	2	-	2	-	E	4								
C1DD6O07	Machine devices 2	DD	41							2	-	-	2	E	4		
C1DD6O08	Marketing/ management	DD	19							1	1	-	-	E	2		
C1DS6O09	Welding technology by melting	DS	41							3	-	1	-	E	4		
C1DD6O10	Fundamentals of computer aided design technology	DD	66							2	-	-	2	E	5		
C1DD6O11	Technological devices	DD	41							2	-	1	1	E	4		
C1DD6O12	Ecology and environmental protection	DD	33							1	-	-	-	C	2		
C1DS6O13	Specialty practice	DS	72	90 hours Practice will take place at the end of the semester II										C	3		
	TOTAL			13	-	10	-		K27	11	1	2	5			K24	
	OPTIONAL OBLIGATORS			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
C1DS5A14	Quality control and assurance	DS	16	2	-	2	-	C	3								
C1DS5A15	Labor protection and legislation in machine's construction	DS															
C1DS6A16	Pneumatic actions	DS	41							2	-	2	-	C	4		
C1DS6A17	Hydraulic actions	DS															
C1DC6A18	Labor and social security law	DC	19							2	-	-	-	C	2		
C1DC6A19	Law and international legislation	DC															
	TOTAL S1/S2 (Obl. Optional)			2	-	2	-		K3	4	-	2	-			K6	
	TOTAL year of study III (Obl. Optional)			2C+2L							4C+2L						
	TOTAL OBLIGATORII S1/S2			15	-	12			K30	15	1	4	5			K30	
	TOTAL OBLIGATORII			27							25						
	TOTAL DISCIPLINE OBLIGATORII year of study III			30C+1S+16L+5Pr						30	9E+7C+1A/R						30
	FACULTATIVE			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
C1DC5F20	Sports	DC	19	-	2	-	-	C(A/R)	2								
C1DC5F21	Modern Language	DC	19	-	2	-	-	C	2								
C1DC5F22	Legislation	DC	19	2	-	-	-	C	2								
C1DC6F23	Sports	DC	19							-	2	-	-	C(A/R)	2		
C1DC6F24	Modern Language	DC	19							-	2	-	-	C	2		
	TOTAL FACULTATIVE S1/S2			2	4				K6		4					K4	
	TOTAL DISCIPLINES FACULTATIVE An III			6C+8S+0L							0E+5C						K10

* Note: Practice will be done at the end of the semester VI- 3 weeks (6 hours per day x 5 days of the week x 3 weeks=90 ore)

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 Year of study IV

Cod	Disciplines	Type of disciplines	S.L./Sem (ore)	Number of weekly hours and form of verification													
				Semester V 14 weeks						Semester VI 14 weeks							
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
	IMPLIED OBLIGATORS																
C1DS7O01	Welding devices	DS	77	2	-	2	1	E	6								
C1DS7O02	Heat cutting	DS	30	2	-	1	-	C	3								
C1DS7O03	Equipment for welding	DS	30	2	-	1	-	E	3								
C1DS7O04	Pressure welding technology	DS	55	2	-	1		C	4								
C1DS7O05	Welding technology by melting	DS	88	3	-	2	1	E	7								
C1DS7O06	Design of welding structures	DS	41	2	-	2		E	4								
C1DS8O07	Materials and heat treatment for welding	DS	41			-		-	-	2		2	-	E	4		
C1DS8O08	Damage analysis and diagnosis	DS	19							2				C	2		
C1DS8O09	Mechanization, automation and robotics of welding	DS	41							2	-	1	1	C	4		
C1DS8O10	Unconventional welding processes	DS	16							2	-	2		E	3		
C1DD8O11	Modeling and simulation of welding processes	DD	16							2		2		E	3		
C1DS8O12	Elaboration of the diploma project	DS	177	-	-	-	-	-	-	-	-	-	5	E	10		
C1DS8O13	Practice diploma project	DS	72	60 hours [†]										C	2		
	TOTAL			13	-	9	2		27	10	-	7	6		28		
	OPTIONAL OBLIGATORS			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
C1DS7A14	OP1. Welding related processes	DS	44							-	-	-	-	-	-		
C1DS7A15	OP1. Welding technology fluxes	DS		2	-	-	-	C	3								
C1DS8A16	OP2. Checking the welding process	DS	5							2	-	1	-	C	2		
C1DS8A17	OP2. Welding certificate test	DS															
	TOTAL S1/S2 (Obl. Optional)			2				-	K3	2		1			K2		
	TOTAL year of study IV (Obl. Optional)			2C+2L							2C+1L						
	TOTAL OBLIGATORII S1/S2			15		9	2		K30	12		8	6		K30		
	TOTAL OBLIGATORII			26							26						
	TOTAL DISCIPLINE OBLIGATORII year of study IV			27C+17L+8Pr							8E+7C+0A/R						K60
	FACULTATIVE			C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K		
C1DS7F18	Quality norms at welding	DS	5	2	-	1		C	2								
C1DS7F10	Joining of composite materials	DS	30							2	-	1		C	3		
C1DD8F20	European and international norms in machines construction	DD	19		2	-	-	C	2	-	-	-	-	-	-		
C1DS8F21	European and international norms in welding	DS	19							-	-	2	-	C	2		
	TOTAL FACULTATIVE S1/S2			2	2	1			K4	2		3			K5		
	TOTAL DISCIPLINE FACULTATIVE An IV			4C+2S+4L							0E+4C						K9

* Note: Practice will be done at the end of the semester VIII- 2 weeks (6 hours per day x 5 days of the week x 2 weeks=60 ore)

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