

CURRICULUM

1st Year of study

No	SUBJECTS	Subject cod	1st Semester (14 weeks)						2nd Semester (14 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
A. COMPULSORY SUBJECTS (O)														
1	Mathematical Analysis	IDISFO101	2	2		2	E	5						
2	Linear Algebra, Analytical and Differential Geometry	IDISFO102	2	2		2	E	5						
3	Descriptive Geometry	IDISFO103	2		2	2	E	5						
4	Applied Data Processing I	IDISFO104	2		3	2	C	5						
5	Chemistry	IDISFO105	2		2	2	E	4						
6	Foreign Languages I	IDISCO106		2		2	C	3						
7	Physical Education I	IDISCO107		1			A/R	1						
10	Probability Theory and Mathematical Statistics	IDISFO210							2	2		2	E	5
11	Computer Graphics	IDISFO211									3	2	C	3
12	Applied Data Processing II	IDISFO212							2		3	2	C	5
13	Physics	IDISFO213							2		2	2	E	5
14	Mechanics I	IDISDO214							2	2		2	E	5
15	Materials Study	IDISDO215							2		1	2	E	4
16	Foreign Languages II	IDISCO216								2		2	C	3
17	IPhysical Education I	IDISCO217								1			A/R	1
TOTAL O:			10	7	7	12	4E+3C	27	10	7	9	14	4E+4C	30
			24						26					
B. OPTIONAL SUBJECTS (choice) (A)														
8	Science History	IDISCA108	1	1		2	C	3						

9	Cultural history and civilization	IDISCA109												
TOTAL A:			1	1	0	2	C	3	0	0	0	0	0	0
			2						0					
TOTAL O+A:			11	8	7	14	4E+4C	30	10	7	9	14	4E+4C	30
			26						26					
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
18	Sustainable Development	IDISCL118	2	1		2	C	3						
19	Research and Development Management	IDISCL219							2	1		2	C	3

Physical Education - credits over total of 60

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2nd Year of study

No	SUBJECTS	Subject cod	3rd Semester (14 weeks)					4th Semester (14 weeks)						
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
A. COMPULSORY SUBJECTS (O)														
1	Material Strength	IDISDO301	2		2	2	E	4						
2	Electrotechnics	IDISDO302	2		1	2	E	4						
3	Heat Engineering and Thermal Equipment	IDISDO303	2		1	2	E	4						
4	Mechanics II	IDISDO304	2		1	2	E	4						
5	Machine Elements	IDISDO305	2		1	2	C	4						
6	Machine Tools and Edged Processing	IDISDO306	2		1	2	C	3						
7	Foreign Languages III	IDISCO307		2		2	C	3						
8	Physical Education III	IDISCL308		1			A/R	1						
11	Quality Management	IDISDO411							2	2		2	C	4
12	Fluid Mechanics	IDISDO412							2		1	2	C	3
13	Tolerances and Dimensional Control	IDISDO413							2		2	2	E	4
14	Vibrations of Machines and Equipment	IDISDO414							2		2	2	E	4
15	Numerical Analysis	IDISFO415							2	1		2	E	3
16	Ecology and Environment protection	IDISDO416							2		1	2	C	4
17	Physical Education IV	IDISCL417								1			A/R	1
20	Technological Training	IDISDO420									120		C	4
TOTAL O:			12	3	7	14	4E+4C	26	12	4	6	12	3E+5C	26
			22						22					
B. OPTIONAL SUBJECTS (choice) (A)														

9	Basics of Computer – Assisted Design	IDISDA309	2		2	2	C	4							
10	Basics Production Systems Engineering	IDISDA310													
18	Mechanisms	IDISDA418							2		2	2	E	4	
19	Tribology	IDISDA419													
TOTAL A:			2	0	2	2	C	4	2	0	2	2	E	4	
			4						4						
TOTAL O+A:			14	3	9	16	4E+5C	30	14	4	8	14	4E+5C	30	
			26						26						
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)															
21	Initiation and Conduct Business	IDISCL321	2	1		2	C	3							
22	Work Study and Standard	IDISCL422							2	1		2	C	3	

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3rd Year of study

No	SUBJECTS	Subject cod	5th Semester (14 weeks)						6th Semester (14 weeks)						
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS	
A. COMPULSORY SUBJECTS (O)															
1	Management	IDISDO501	2	2		2	E	4							
2	Legislation of Labor Safety and Health	IDISSO502	2	2		2	E	5							
3	Human Resources and Projects Management	IDISSO503	2		1	2	C	4							
4	Electrical Machines and Drives	IDISDO504	2		1/1P	2	E	5							
5	Thermal Treatment	IDISDO505	2		2	2	C	4							
6	Industrial Electronics and Automation	IDISSO506	2		2	2	E	4							
9	Assessment of Professional Hazards	IDISSO609							3	2	1P	2	E	5	
10	Prevention of Professional Hazards	IDISSO610							2	1	1P	2	E	5	
11	Ergonomics	IDISSO611							2	1		2	E	3	
12	Electrical Safety	IDISSO612							2		1	2	C	3	
13	Machines Safety	IDISDO613							2		2	2	E	4	
14	General Economy	IDISCO614							2	1		2	C	3	
17	Research internship	IDISDO617									120		C	4	
TOTAL O:			12	4	7	12	4E+2C	26	13	5	3	12	4E+3C	27	
			23						21						
B. OPTIONAL SUBJECTS (choice) (A)															
7	Natural Hazards	IDISSA507													
8	Geotechnical Hazards	IDISSA508	2		1	2	C	4							

15	Waste Processing Technologies	IDISSA615							2		1	2	C	3
16	Hazardous Substances and Waste	IDISSA616												
TOTAL A:			2	0	1	2	C	4	2	0	1	2	C	3
			3						3					
TOTAL O+A:			14	4	6	14	4E+3C	30	15	5	4	14	4E+4C	30
			26						24					
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
18	Industrial Economy	IDISCL518	2	1		2	C	3						
19	Strategic Management	IDISDL619							2	1		2	C	3

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4th Year of Study

No	SUBJECTS	Subject cod	7th Semester (14 weeks)						8th Semester (10 + 4 weeks)					
			C	S	L/P	PI	Examination Form	ECTS	C	S	L/P	PI	Examination Form	ECTS
A. COMPULSORY SUBJECTS (O)														
1	Reliability and Maintenance	IDISSO701	2		1	2	C	4						
2	Major Breakdowns and Accidents in Industry	IDISSO702	2	2		2	E	4						
3	Labor Safety and Health Management	IDISSO703	2	2		2	E	5						
4	Assessment of Environment Hazards	IDISSO704	2	2		2	E	4						
5	Protection Means and Equipment	IDISSO705	2		2	2	E	5						
6	Geographical Information Systems	IDISSO706	2		1	2	C	4						
9	Auditing and Certification in Safety Engineering in Industry	IDISSO809							3	2	1	2	E	4
10	Monitoring of Labor Safety and Health	IDISSO810							2	2		2	E	3
11	Economic Assessment of Work Accidents and Professional Diseases	IDISSO811							2	2		2	C	3
12	Elements of Labor Medicine	IDISSO812							2	1		2	C	3
13	Risk Management	IDISSO813							3	2		2	E	4
16	Research internship for the elaboration of the graduation project	IDISSO816									92		C	5
17	Elaboration of Graduation Projects	IDISSO817									2		C	5
TOTAL O:			12	6	4	12	4E+2C	26	12	9	3	10	3E+4C	27
			22						23					
B. OPTIONAL SUBJECTS (choice) (A)														

7	The Impact of Human Activities on the Environment	IDISSA707	2	2		2	C	4						
8	Emergency Situations Management	IDISSA708												
14	Labor Psycho-sociology	IDISSA814							2	2		2	E	3
15	Labor Legislation	IDISSA815												
TOTAL A:			2	2	0	2	C	4	2	2	0	2	E	3
			4						4					
TOTAL O+A:			14	8	4	14	4E+3C	30	14	11	3	12	4E+4C	30
			26						28					
C. FACULTATIVE SUBJECTS (FREE CHOSEN) (L)														
18	Human Resources Management	IDISDL718	2	1		2	C	3						
19	Management communication	IDISCL819							2	1		2	C	3

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