

## 1- Semester 1:

Teaching unit	Titled	Credits		Hourly Volume Weekly			Hourly volume Biannual (15 weeks)	Work Complementary consultation (15 Weeks)	Assessment methods	
				Course	TP				Continuous assessment	Exam
<b>Fundamental EU</b> Code: UEF 11 Credits: 18 Coefficients: 9	Mathematics 1	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
	Physics 1	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
	Structure of matter	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
<b>Methodological U.E.</b> Code: UEM 11 Credits: 9 Coefficients: 5	Physics 1 Practical Work	2	1			1h30	10:30 p.m.	27:30	100%	
	Chemistry 1 practical work	2	1			1h30	10:30 p.m.	27:30	100%	
	Computer Science 1	4	2	1h30		1h30	45h00	55h00	40%	60%
	Writing methodology	1	1	1 hour			3:00 p.m.	10:00 a.m.		100%
<b>U.E. Discovery</b> Code: UED 11 Credits: 1 Coefficients: 1	Careers in science and technology 1	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Transversal EU</b> Code: UET 11 Credits: 2 Coefficients: 2	French language 1	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	English language 1	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Total Semester 1</b>		<b>30</b>	<b>17</b>	<b>4:00 p.m.</b>	<b>4:30 a.m.</b>	<b>4:30 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		

## 2- Semester 2:

Teaching unit	Materials	Credits		Hourly Volume Weekly			Volume Hourly Biannual (15 weeks)	Work Complementary In consultation (15 weeks)	Assessment methods	
	Titled			Course	TD	TP			Continuous assessment	Exam
<b>EU Fundamental</b> Code: UEF 21 Credits: 18 Coefficients: 9	Mathematics 2	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
	Physics 2	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
	Thermodynamics	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
<b>EU Methodological</b> Code: UEM 21 Credits: 9 Coefficients: 5	Physics 2 Practical Work	2	1			1h30	10:30 p.m.	27:30	100%	
	Chemistry 2 practical work	2	1			1h30	10:30 p.m.	27:30	100%	
	Computer Science 2	4	2	1h30		1h30	45h00	55h00	40%	60%
	Presentation methodology	1	1	1 hour			3:00 p.m.	10:00 a.m.		100%
<b>U.E. Discovery</b> Code: UED 21 Credits: 1 Coefficients: 1	Careers in science and technology 2	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>EU Transversal</b> Code: UET 21 Credits: 2 Coefficients: 2	French language 2	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	English language 2	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Total Semester 2</b>		<b>30</b>	<b>17</b>	<b>4:30 p.m.</b>	<b>4:30 a.m.</b>	<b>4:30 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		

### 3-Semester 3:

Teaching unit	Titled	Credits		Hourly Volume Weekly			Volume hourly Biannual (15 weeks)	Work Complementary consultation (15 Weeks)	Assessment methods	
				Course TD	TP				Continuous assessment	Exam
<b>Fundamental EU</b> Code: UEF 3.1 Credits: 10 Coefficients: 5	Mathematics 3	6	3	3:00 a.m.	1h30		67h30	82h30	40%	60%
	Waves and Vibrations	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Fundamental EU</b> Code: UEF 3.2 Credits: 8 Coefficients: 4	Fluid mechanics	4	2	1h30	1h30	1h30	45h00	55h00	40%	60%
	Rational Mechanics	4	2	1h30	1h30	1h30	45h00	55h00	40%	60%
<b>Methodological U.E.</b> Code: UEM 3.1 Credits: 9 Coefficients: 5	Probability and Statistics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Computer Science 3	2	1			1h30	10:30 p.m.	27:30	100%	
	Technical Drawing	2	1			1h30	10:30 p.m.	27:30	100%	
	Practical work on Waves and Vibrations	1	1			1h30	3:00 p.m.	10:00 a.m.	100%	
<b>U.E. Discovery</b> Code: UED 3.1 Credits: 2 Coefficients: 2	Basic Technology	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Metrology	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Transversal EU</b> Code: UET 3.1 Credits: 1 Coefficients: 1	English Technique	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Total Semester 3</b>		<b>30</b>	<b>17</b>	<b>1:30 p.m.</b>	<b>1:30 a.m.</b>	<b>4:00 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		

## 4-Semester 4:

Teaching unit	Titled	Credits		Hourly Volume Weekly			Volume hourly Biannual (15 weeks)	Work Complementary consultation (15 Weeks)	Assessment methods	
				Course TD	TP				Continuous assessment	Exam
Fundamental EU Code: UEF 4.1 Credits: 6 Coefficients: 3	Transportation systems planning	4	2	1h30	1h30		45h00	55h00	40%	60%
	Vehicle pollution	2	1	1h30			10:30 p.m.	27:30		100%
Fundamental EU Code: UEF 4.2 Credits: 8 Coefficients: 4	Mathematics 4	4	2	1h30	1h30		45h00	55h00	40%	60%
	Numerical methods	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental EU Code: UEF 4.3 Credits: 4 Coefficients: 2	Resistance of Materials	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological U.E. Code: UEM 4.1 Credits: 9 Coefficients: 5	Computer-aided design	2	1			1h30	10:30 p.m.	27:30	100%	
	Maintenance	4	2	1h30		1h30	45h00	55h00	40%	60%
	Numerical Methods Practical Work	2	1			1h30	10:30 p.m.	27:30	100%	
	Practical work on the resistance of materials	1	1			1 hour	3:00 p.m.	10:00 a.m.	100%	
U.E. Discovery Code: UED 4.1 Credits: 2 Coefficients: 2	Air, Land and Maritime	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Advanced Technology and Mobility in Transport	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
Transversal EU Code: UET 4.1 Credits: 1 Coefficients: 1	Expression and communication technique	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Total Semester 4</b>		<b>30</b>	<b>17</b>	<b>1:30 p.m.</b>	<b>6:00 a.m.</b>	<b>5:30 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		

## 5- Semester 5

Teaching units	Materials			Weekly hourly volume			Volume Half-yearly schedule (15 weeks)	Work Complementary (in consultation (15 Weeks))	Assessment method	
	Titled			Course TD	TP				Control Continuous	Exam
<b>Fundamental EU</b> <b>Code: UEF5.1</b> <b>Credits: 10</b> <b>Coefficients: 5</b>	Maintenance concepts and strategies	4	2	1h30	1h30		45h00	57h30	40%	60%
	Organization and method of industrial maintenance	6	3	3 hours	1h30		67h30	80h00	40%	60%
<b>Fundamental EU</b> <b>Code: UEF5.2</b> <b>Credits: 8</b> <b>Coefficients: 4</b>	FMDS operational safety	4	2	1h30	1h30		45h00	55h00	40%	60%
	Fluid mechanics and industrial hydraulics 4		2	1h30	1h30		45h00	55h00	40%	60%
<b>Methodological EU</b> <b>Code: UEM 5.1</b> <b>Credits: 9</b> <b>Coefficients: 5</b>	Technical drawing and plan reading	2	1	1h30			10:30 p.m.	10:30 p.m.	40%	60%
	Electric propulsion and traction	2	2	1h30			10:30 p.m.	10:30 p.m.	40%	60%
	Evolutionary maintenance	2	1	1h30			10:30 p.m.	10:30 p.m.		100%
	Lifting and handling equipment(1)	3	1	1h30		1:00 a.m.	37:30 p.m.	52h30		100%
<b>EU Discovery</b> <b>Code: UED 5.1</b> <b>Credits: 1</b> <b>Coefficients: 1</b>	Quality control	1	1	1h30			10:30 p.m.	2h30		100%
<b>Transversal EU</b> <b>Code: UET 5.1</b> <b>Credits: 2</b> <b>Coefficients: 2</b>	Analysis and management of industrial risks	1	1	1h30			10:30 p.m.	2h30		100%
	Business creation and management	1	1	1h30			10:30 p.m.	2h30		100%
<b>Total semester 5</b>		<b>30</b>	<b>17</b>	<b>6:00 p.m.</b>	<b>6:00 a.m.</b>	<b>1:00 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		

**6- Semester 6:**

Teaching units	Materials			Weekly hourly volume			Volume Semester schedule (15 weeks)	Work Complementary e in consultation (15 Weeks)	Assessment method	
	Titled			Course	TP				Control Continuous	Exam
<b>Fundamental EU</b> Code: UEF6.1 Credits: 10 Coefficients: 5	Maintenance Execution and Case Study	4	2	1h30	1h30		45h00	57h30	40%	60%
	Conditional maintenance tools and CND	6	3	3h00	1h30		67h30	80 hours	40%	60%
<b>Fundamental EU</b> Code: UEF6.2 Credits: 8 Coefficients: 4	Reliability of production and transport systems	4	2	1h30	1h30		45h00	55h00	40%	60%
	Computer Science 5: Databases	4	2	1h30	1h30		45h00	55h00	40%	60%
<b>Methodological EU</b> Code: UEM 6.1 Credits: 9 Coefficients: 5	TP- Databases	2	1			1h30	10:30 p.m.	10:30 p.m.		100%
	Measurements and instrumentation	2	1			1h30	10:30 p.m.	10:30 p.m.		100%
	Remote maintenance	2	1	1h30			10:30 p.m.	10:30 p.m.		100%
	End-of-studies internship: Preparation of the end-of-studies dissertation	3	2	2h30			37h30	52h30	100%	
<b>EU Discovery</b> Code: UED 6.1 Credits: 2 Coefficients: 2	Research methodology	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
	Infrastructure maintenance management	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Transversal EU</b> Code: EU 6.1 Credits: 1 Coefficients: 1	Technical English and Terminology	1	1	1h30			10:30 p.m.	2:30 a.m.		100%
<b>Total semester 6</b>		<b>30</b>	<b>17</b>	<b>4:00 p.m.</b>	<b>6:00 a.m.</b>	<b>3:00 a.m.</b>	<b>375 hours</b>	<b>375 hours</b>		