

Semester 1

Teaching unit	Subjects	Credits	Coefficient	Hourly volume per week			Evaluation method	
	title			Course	Tutorials	Practical work	Continuous control	Review
fundamental teaching unit Code :FTU 1.1 Credits : 18 Coefficients : 9	Mathematics 1	6	3	3h00	1h30		40%	60%
	Physics 1	6	3	3h00	1h30		40%	60%
	chemistry	6	3	3h00	1h30		40%	60%
Methodological teaching unit Code : MTU 1.1 Credits : 9 Coefficients : 5	PW Physics 1	2	1			1h30	100%	
	PW Chemistry 1	2	1			1h30	100%	
	Computer Science 1	4	2	1h30		1h30	40%	60%
	Writing methodology	1	1	1h00				100%
Discovery teaching unit Code : DTU 1.1 Credits : 1 Coefficients : 1	Careers in Science and Technologies 1	1	1	1h30				100%
Transversal teaching unit Code : TTU 1.1 Credits : 2 Coefficients : 2	Ethical and deontological dimension (the foundations)	1	1	1h30				100%
	Foreign language 1 (English1)	1	1	1h30				100 %

Semester 2

Teaching unit	Subjects	Credits	Coefficient	Hourly volume per week			Evaluation method	
	title			Course	Tutorials	Practical work	Continuous control	Review
fundamental teaching unit Code : FTU 1.2 Credits : 18 Coefficients : 9	Mathematics 2	6	3	3h00	1h30		40%	60%
	Physics 2	6	3	3h00	1h30		40%	60%
	Thermodynamics	6	3	3h00	1h30		40%	60%
Methodological teaching unit Code : MTU 1.2 Credits : 9 Coefficients : 5	PW Physics 2	2	1			1h30	100%	
	PW Chemistry 2	2	1			1h30	100%	
	Computer Science 2	4	2	1h30		1h30	40%	60%
	Writing methodology	1	1	1h00				100%
Discovery teaching unit Code : DTU 1.2 Credits : 1 Coefficients : 1	Careers in Science and Technologies 2	1	1	1h30				100%
Transversal teaching unit Code : TTU 1.2 Credits : 2 Coefficients : 2	Foreign language 2 (English1 or french)	2	2	3h00				100 %

Semester 3

Teaching unit	Subjects	Credits	Coefficient	Hourly volume per week			Evaluation method	
				Course	Tutorials	Practical work	Continuous control	Review
fundamental teaching unit Code : FTU 2.1.1 Credits : 10 Coefficients : 5	Mathematics 3	6	3	3h00	1h30		40%	60%
	Waves and vibrations	4	2	1h30	1h30		40%	60%
fundamental teaching unit Code : FTU 2.1.2 Credits : 8 Coefficients : 4	Fluid mechanics	4	2	1h30	1h30		40%	60%
	Inorganic chemistry	4	2	1h30	1h30		40%	60%
Methodological teaching unit Code : MTU 2.1 Credits : 9 Coefficients : 5	Probability and statistics	4	2	1h30	1h30		40%	60%
	Computer Science 3	2	1			1h30	100%	
	Technical drawing	2	1			1h30	100%	
	PW Waves and vibrations	1	1			1h00	100%	
Discovery teaching unit Code : DTU 2.1 Credits : 2 Coefficients : 2	(Hygiene, Safety Environment) Industrial plants	1	1	1h30				100%
	Regulations and standards	1	1	1h30				100%
Transversal teaching unit Code : TTU 2.1 Credits : 1 Coefficients : 1	Technical English	1	1	1h30				100%

Semester 4

Teaching unit	Subjects	Credits	Coeffi	Hourly volume per week			Evaluation method	
	Title			Cours e	Tutoria ls	Practic al work	Continuou s control	Review
fundamental teaching unit Code : FTU 2.2.1 Credits : 8 Coefficients : 4	Solution chemistry	4	2	1h30	1h30		40%	60%
	Organic chemistry	4	2	1h30	1h30		40%	60%
fundamental teaching unit Code : FTU 2.2.2 Credits : 8 Coefficients : 4	Chemical thermodynamics	4	2	1h30	1h30		40%	60%
	Numerical methods	4	2	1h30	1h30		40%	60%
fundamental teaching unit Code : FTU 2.2.3 Credits : 2 Coefficients : 1	Chemical kinetics	2	1	1h30				100%
Methodological teaching unit Code : MTU 2.2 Credits : 9 Coefficients : 5	PW Solution chemistry	2	1			1h30	100%	
	PW Organic chemistry	1	1			1h00	100%	
	PW Fluid mechanics	2	1			1h30	100%	
	PW Numerical methods	2	1			1h30	100%	
	PW Chemical kinetics	2	1			1h30	100%	
Discovery teaching unit Code : DTU 2.2 Credits : 2 Coefficients : 2	Introduction to refining and petrochemicals	1	1	1h30				100%
	Notions of transfer phenomena	1	1	1h30				100%
Transversal teaching unit Code : TTU 2.2 Credits : 1 Coefficients : 1	Expression, information and communication techniques	1	1	1h30				100%

Semester 5

Teaching unit	Subjects	Credits	Coefficient	Hourly volume per week			Evaluation method	
	Title			Course	Tutorials	Practical work	Continuous control	Review
fundamental teaching unit Code : FTU 3.1.1 Credits : 10 Coefficients : 5	Heat Transfer	4	2	1h30	1h30		40%	60%
	Material Transfer	4	2	1h30	1h30		40%	60%
	Movement Quantity Transfer	2	1	1h30				100%
fundamental teaching unit Code :FTU 3.1.2 Credits : 8 Coefficients : 4	Electrochemistry	4	2	1h30	1h30		40%	60%
	Instrumentation - sensors	2	1	1h30				100%
	Kinetics and homogeneous catalysis	2	1	1h30				100%
Methodological teaching unit Code : MTU 3.1 Credits : 9 Coefficients : 5	Analysis techniques	4	2	1h30		1h30	40%	60%
	PW Physical Chemistry 1 and Chemical Engineering 1	2	1			1h30	100%	
	Macroscopic balances	3	2	1h30	1h00		40%	60%
Discovery teaching unit Code : DTU 3.1 Credits : 2 Coefficients : 2	pharmaceutical processes	1	1	1h30				100%
	Agri-food processes	1	1	1h30				100%
Transversal teaching unit Code :TTU 3.1 Credits : 1 Coefficients : 1	ollution: Air, water, soil	1	1	1h30				100%

Semester 6

Teaching unit	Subjects	Credits	Coefficient	Hourly volume per week			Evaluation method	
	Title			Cours e	Tutorial s	Practic al work	Continuou s control	Revie w
fundamental teaching unit Code : FTU 3.2.1 Credits : 10 Coefficients : 5	Unit operations	6	3	3h00	1h30		40%	60%
	Thermodynamics of equilibria	4	2	1h30	1h30		40%	60%
fundamental teaching unit Code : FTU 3.2.2 Credits : 8 Coefficients : 4	Homogeneous reactors	4	2	1h30	1h30		40%	60%
	Surface phenomena and heterogeneous catalysis	4	2	1h30	1h30		40%	60%
Methodological teaching unit Code : MTU 3.2 Credits : 9 Coefficients : 5	End of Cycle Project	4	2			3h00	100%	
	Process simulators	3	2	1h30		1h00	40%	60%
	PW physical chemistry 2 and chemical engineering 2	2	1			1h30	100%	
Discovery teaching unit Code : DTU 3.2 Credits : 2 Coefficients : 2	Cryogenic processes	1	1	1h30				100%
	Corrosion	1	1	1h30				100%
Transversal teaching unit Code : TTU 3.2 Credits : 1 Coefficients : 1	Entrepreneurship and business management	1	1	1h30				100%