

II – semester teaching organization sheet

(Please submit sheets for all 4 semesters)

1- Semester 1 :

Course unit	VHS	Weekly V.H				Coeff	Crédits	Assessment Method	
	14 weeks	Courses	Tutorials	Practicals	Others			Continous	test
Fondamental CU									
FCU1(O/P)									
Subject 1: Monomer Synthesis Processes	45	1.5				3	6	40%	60%
Subject 2: Chemical Kinetics and Catalysis	45	1.5	1.5			3	6	40%	60%
Subject 3: Mass Transfer	45	1.5	1.5	1.5		3	5	40%	60%
Subject 4: Fluid Mechanics		1.5	1.5	1.5		3	4		
Methodology CU									
MCU1(O/P)									
Subject 1: Chromatography Analysis Methods (CPG & HPLC)	22.5			1.5		2	2		100%
Subject 2: Analytical Chemistry	45	1.5		1.5		2	2	40%	60%
Subject 3: Internship	35			2.5		1	2		100%
Decouvery CU									
DCU1(O/P)									
Subject 1: Process Simulation	22.5			1.5		1	1		100%
cross-sectional unit CU									
TCU1(O/P)									
Subject 1: Health, Safety, and Environment (HSE) Approach	22.5	1.5				1	1		100%
Subject 2: English I	22.5	1.5				1	1		100%
Total Semester 1	315	10.5	4.5	10		20	30		

(*): Internship 1 (3 weeks) not counted

2- Semester 2 :

Course unit	VHS	Weekly V.H				Coeff	Crédits 14 weeks	Assessment Method	
	14 weeks	Courses	Tutorials	Practicals	Others			Courses	Tutorials
fondamental CU									
FCU 1(O/P) :									
Subject 1: Crude Oil and Petroleum Products	45	3				3	5	40%	60%
Subject 2: Industrial Water Treatment and Conditioning	22.5	1.5				2	3	40%	60%
Subject 3: Corrosion Phenomena and Protection Methods	45	1.5		1.5		3	3	40%	60%
Subject 4: Heat Exchange Equipment	45	1.5	1.5			3	4	40%	60%
Matière 5 : Machines tournantes	45	1.5	1.5			3	3	40%	60%
Methodology CU									
MCU1 (O/P)									
Subject 1: Standardized Testing Practical	22.5			1.5		2	3		100%
Subject 2: Water Analysis	22.5			1.5		2	2		100%
Subject 3: Pumps/Compressors/Turbines Practical	22.5			1.5		2	2		100%
Subject 4: Process Diagrams P&ID and PFD Piping/Valve	22.5	1.5		1		2	2		100%
Decouvery CU									
DCU1(O/P):									
Subject 1 : Control System (DCS)	22.5			1.5		1	1		
Subject 2: Internship	22.5			1.5		1	1		100%
cross-sectional unit CU									
TCU1(O/P)									
Subject 1: English II	22.5			1.5		1	1	40%	60%
Total Semester 2	360	10.5	3	11.5		25	30		

(*): Internship 1 (3 weeks) not counted

3- Semester 3 :

Course unit	VHS	Weekly V.H				Coeff	Crédits 14 weeks	Assessment Method	
	14 weeks	Courses	Tutorials	Practicals	Others			Courses	Tutorials
fondamental CU									
FCU 1(O/P) :									
Subject 1: Petrochemical Processes and Polymer Synthesis	45	3				3	6	40%	60%
Subject 2: Refining and Separation Processes	45	3				3	4	40%	60%
Subject 3: Static Equipment	45	1.5	1.5	1.5		3	4	40%	60%
Subject 4: Petrochemical Reactors	45	1.5	1.5			3	4	40%	60%
Methodology CU									
MCU1 (O/P)									
Subject 1: Practical Work: Physicochemical Characterization of Polymers	22.5			1.5		2	3	40%	60%
Subject 2: Shutdown and Startup Procedures for Industrial Units	22.5	1.5				2	2	40%	60%
Subject 3: Measurements and regulation	22.5			1.5		2	2	40%	60%
Subject 4: Process Simulation II	35			2.5		2	2	40%	60%
Decouvery CU									
DCU1(O/P):									
Subject 1: Industrial Safety	45	1.5	1.5			1	2	40%	60%
cross-sectional unit CU									
UET1(O/P)									
Subject 1: Project Management	22.5	1.5				1	1	40%	60%
Total Semester 3	350	13.5	4.5	7		22	30	40%	60%

4- Semester 4 :

Field: Technical Sciences

Sector: Petrochemical Industrie

Specialization: Refining and Petrochemicals

Company internship culminating in a thesis and a defense.

	VHS	Coeff	Crédits
Personal Work	180	1	12
Stage en entreprise	400	1	18
Other (specify)	-		-
Total Semester 4	580		30

5- Overall Course Summary: (indicate the overall VH separated into lectures, tutorials, for the four semesters of teaching, for the different types of teaching units)

CU VH	FCU	MCU	DCU	TCU	Total
Courses	360	67.5	22.5	67.5	517.5
Tutorials	157.5	-	22.5	-	180
Practicals	90	270	67.5	22.5	450
Personal Work	180	120	120	60	
Other (specify)	--	-	-	-	-
Total	787.5	457.5	232.5	150	
Crédits	57	24	5	4	90
% in credits for each course unit	63.33	10.27	5.56	4.44	100