

Petrochemical Eng. Department, Study plan fall 2018- 2019

3rd semester

Code	Course name	Pre – requisites	Cr
EB 103	Math 3	EB 102	3
EP 217	Material science	EB 121	3
EP 210	Organic Chemistry 1	EB 131	3
EP 214	Inorganic chemistry	EB 131	3
EM 251	Fluid mechanics	EB 112	3
HU 113	Technical writing	-	2
UGE03	English 3	UGE02	2
Total Cr. Hours			19

5th semester

Code	Course name	Cr	Pre – requisites
EB 207	Numerical analysis using matlab	4	EB 102
EB 208	Applied probability and statistics	3	EB 204
EP200	Chemical Engineering Thermodynamics 1	3	EB 122
EP327	Chemical Process	4	EB 131-EB 103
EP 201	Introduction to petrochemical	3	EP 210
<i>Total Cr. Hours</i>			17

7th semester

Code	Course name	Cr	Pre – requisites
EP 313	Mass transfer	3	EP231
EP324	Gas treatment and liquefaction	4	EB213- EP 214-EP 327
EP335	Polymer 1	3	EP213-EP 217
EP333	Chemical reaction and catalysis	4	EP 315-EP 103
EP	Elective 2	3	
<i>Total Cr. Hours</i>			17

9th Semester

code	Subject	Prerequisites	Credit Hours
EP 362	Petroleum refining& evaluation of its products	EP 213	4
EP 368	Chemical Plant design I	EP 327	4
EP 361	Fertilizers	EP 201	3
EP 385	Optimization Process	EP 333- EP 231- EB 207	3
PE 400-1	Graduation Project I	Department approval	4
	Total		18

Head of Department : Prof.Dr. Mohamed Fahim