



Study Plan For Petroleum Engineering Department 2017

First Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Mathematic I	4	Math 101	3	1	-	Nil
2	Chemistry I	3	Chem 101	3	1	-	Nil
3	Chemistry Lab I	1	Chem 103	-	-	2	Chem 101
4	Physics I	3	Phy 101	3	1	-	Nil
5	Physics Lab I	1	Phy 103	-	-	2	Phy 101
6	English Language I	2	Eng 101	2	1	-	Nil
7	Arabic Language I	2	Arb 101	2	1	-	Nil
8	Political Culture	2	Pol 101	2	-	-	Nil
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Second Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Mathematic II	4	Math 102	3	1	-	Math 101
2	Chemistry II	3	Chem 102	3	1	-	Chem 101
3	Chemistry Lab II	1	Chem 104	-	-	2	Chem 102
4	Physics II	3	Phy 102	3	1	-	Phy 101
5	Physics Lab II	1	Phy 104	-	-	2	Phy 102
6	English Language II	2	Eng 102	2	1	-	Eng 101
7	Arabic Language II	2	Arb 102	2	1	-	Arb 101
8	Engineering Drawing I	2	Ge 101	1	-	2	Nil
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Third Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Calculus	3	Math 201	3	1	-	Math 102
2	Intro. to computer and Programming	3	Comp 101	2	-	2	Nil
3	Introduction to Pet Eng	2	Pte 101	2	1	-	Nil
4	General Geology	3	Gs 101	2	-	2	Nil
5	Engineering Mechanic I	3	Ge 102	3	1	-	Nil
6	Workshop Technology	2	Ge 103	2	-	1	Nil
7	Technical Writing and Oral Presentation	2	Tw 307	2	1	-	Eng 102
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Forth Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Statistics & Probability	3	Stat 101	3	1	-	Math 102
2	Differential Equations	3	Math 202	3	1	-	Math 102 & Pte 201
3	Drilling Engineering I	3	Pte 105	3	1	-	Pte 101
4	Drilling Fluid Lab	2	Pte 106	1	-	2	Pte 101 & Pte 105
5	Structural Geology	3	Gs 202	2	-	2	Gs 101
6	Fluid Mechanics	3	Gs 204	2	1	2	Nil
7	Engineering Thermodynamics	2	Ge 104	2	1	-	Nil
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Fifth Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Drilling Engineering II	3	Pte 201	3	1	-	Pte 105
2	Petroleum Machineries	3	Pte 203	3	-	-	Pte 101 & Pte 105
3	Reservoir Fluids & Rock Properties	3	Pte 205	2	1	2	Pte 101
4	Automatic Control	3	Pte 301	3	1	-	Math 101 & Phy 101
5	Numerical Analysis in Engineering	3	Math 301	3	1	-	Math 201
6	Sedimentology	3	Gs 203	2	-	2	Gs 101 & Gs 202
7	Applied Geophysics	3	Gs 205	2	-	2	Pte 101
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Sixth Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Petroleum Geology	3	Pte 102	2	-	2	Gs 203
2	Well Logging	3	Pte 103	2	1	1	Pte 205
3	Seismic Survey	3	Pte104	2	1	2	Gs 205
4	Applied Reservoir Engineering	3	Pte 204	3	1	-	Pte 205
5	Production Engineering I	3	Pte 207	3	1	-	Pte 101& Pte 203
6	Fluid Flow in Porous Media	3	Gs 305	3	1	-	Pte 205
7	Applied Reservoir Engineering Lab	2	Pte 306	1	-	2	Pte 204
		20					

Seventh Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Well Testing Analysis	3	Pte 205	3	1	-	Pte 205
2	Natural Gas Engineering	3	Pte 208	3	1	-	Pte 205 & Pte 204
3	Production Engineering II	3	Pte 302	3	1	-	Pte 207 @ Pte 203
4	Reservoir Simulation	3	Pte 303	2		2	Pte 204
5	Well Completion	3	Pte 304	3	1	-	Pte 201
6	Transportation and Storage of Petroleum	2	Pte 305	2	1	-	Gs 204 & Pte 207
7	Project methods & proposal	2	Pte 403	2	-	-	105 Units + AGPA \geq 2
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Eight Semester Course							
No	Course Name	Units	Designation	Weekly Hours			Prerequisite
				Theory	Tut.	Lab.	
1	Pet. Eng. Economic	2	Gs 206	2	-	-	Pte 101
2	Safety & Environmental impact in Pet. Operations	2	Pte 400	2	1	-	Fourth Level
3	Computer Application in Pet. Engineering	3	Pte 401	2	-	2	Comp 101
4	Special Topic	3	Pte 402	3	1	-	Fourth Level
5	Project Management	2	Pte 404	2	1	-	Fourth Level
6	Enhanced Oil Recovery	3	Pte 405	3	1	-	Pte 204
7	Graduation Project	4	Pte 406	2	1	1	Department Approval
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Total Units = 151

Total Courses = 58