

First Year

<i>Semester I</i>						<i>Semester II</i>					
<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>	<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>
		<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>				<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>	
<i>PE111</i>	<i>English Language</i>	1	2	1	2	<i>PE141</i>	<i>Principle of PT</i>	2			2
<i>PE121</i>	<i>Calculus I</i>	2		1	2	<i>PE125</i>	<i>Calculus II</i>	2		1	2
<i>PE122</i>	<i>Analytical Chemistry</i>	2	2		3	<i>PE126</i>	<i>Organic Chemistry</i>	2	2		3
<i>PE123</i>	<i>Physics</i>	3			3	<i>PE134</i>	<i>Mechanics</i>	2		2	2
<i>PE124</i>	<i>General Geology I</i>	2	2		3	<i>PE127</i>	<i>General Geology II</i>	2	2		3
<i>PE131</i>	<i>Engineering Drawing</i>	1	2		2	<i>PE135</i>	<i>Engineering Practices</i>	2		1	2
<i>PE132</i>	<i>Engineering Ethics</i>	2			2	<i>PE128</i>	<i>Computer Programming (visual basic)</i>	1	2		2
<i>PE133</i>	<i>Workshop</i>		4		2	<i>PE136</i>	<i>Workshop</i>		4		2
Total		13	12	2	19		Total	13	10	4	18
Total hr/week		27					Total hr/week	27			
Total Units		37									

Key of Subject Symbol:

PE : Petroleum Engineering

First No. : Year of Study

Second No. : Order of Subject within Specification

Specifications

1 : Human Subject

2 : Scientific Subject

3 : Basic Engineering Subject

4 : Specialized Subject

Third No. : The sequence number of subject of one type

Second Year

<i>Semester I</i>						<i>Semester II</i>					
<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>	<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>
		<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>				<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>	
<i>PE221</i>	<i>Ordinary Differential Equations</i>	3		1	3	<i>PE224</i>	<i>Partial Differential Equations</i>	3		1	3
<i>PE222</i>	<i>Structural Geology</i>	2	2		3	<i>PE225</i>	<i>Petroleum Geology</i>	2		1	2
<i>PE231</i>	<i>Fluid Mechanic I</i>	2		1	2	<i>PE233</i>	<i>Fluid Mechanic II</i>	2	2		3
<i>PE241</i>	<i>Crude oil and products properties</i>	1	2		2	<i>PE234</i>	<i>Probability and Statistical</i>	2	1		3
<i>PE242</i>	<i>Reservoir Petrophysics</i>	2	2	1	3	<i>PE235</i>	<i>Strength of Material</i>	2	2		3
<i>PE232</i>	<i>Thermodynamic</i>	2		1	2	<i>PE226</i>	<i>Environmental Pollution</i>	2			2
<i>PE223</i>	<i>Computer Programming (3DAutoCAD)</i>	1	2		2	<i>PE227</i>	<i>Computer Programming (Matlab)</i>	2	2		3
<i>PE211</i>	<i>Human Rights</i>	1			1	<i>PE212</i>	<i>Democracy</i>	1			1
Total		14	8	4	18		Total	16	7	2	20
Total hr/week		26					Total hr/week	25			
Total Units		38									

Third Year

<i>Semester I</i>						<i>Semester II</i>					
<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>	<i>Subject Symbol</i>	<i>Subject</i>	<i>Hour / Week</i>			<i>Unit</i>
		<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>				<i>Theoretical</i>	<i>Practical</i>	<i>Tutorial</i>	
<i>PE341</i>	<i>Drilling I</i>	3		1	3	<i>PE348</i>	<i>Drilling II</i>	3		1	3
<i>PE342</i>	<i>Well logging</i>	2		1	2	<i>PE349</i>	<i>Formation evaluation</i>	2	2	1	3
<i>PE343</i>	<i>Drilling Mud I</i>	1	2		2	<i>PE3410</i>	<i>Drilling Mud II</i>	1	2		2
<i>PE344</i>	<i>Well completion and stimulation</i>	2		1	2	<i>PE331</i>	<i>Hazard and Safety</i>	2			2
<i>PE321</i>	<i>Geophysics</i>	2		1	2	<i>PE3411</i>	<i>Artificial Lift and well performance</i>	2		1	2
<i>PE345</i>	<i>Reservoir Fluid</i>	2	2	1	3	<i>PE3412</i>	<i>Gas and Oil Transportation</i>	2			2
<i>PE346</i>	<i>Gas Reservoirs</i>	2		1	2	<i>PE3413</i>	<i>Field Measurements and Surface Production</i>	1	2	1	2
<i>PE347</i>	<i>Rock mechanics</i>	2			2	<i>PE332</i>	<i>Numerical Analysis</i>	2			2
Total		16	4	6	18		Total	15	6	4	18
Total hr/week		26					Total hr/week	25			
Total Units		36									

Fourth Year

Semester I						Semester II					
Subject Symbol	Subject	Hour / Week			Unit	Subject Symbol	Subject	Hour / Week			Unit
		Theoretical	Practical	Tutorial				Theoretical	Practical	Tutorial	
PE441	<i>Petroleum Reservoir Engineering</i>	3		1	3	PE448	<i>Directional Drilling</i>	3	2	1	4
PE442	<i>Drilling Engineering</i>	3		1	3	PE449	<i>Engineering Project</i>	2			2
PE443	<i>Engineering Project</i>	2			2	PE4410	<i>Well Monitoring and work-over</i>	2		1	2
PE444	<i>Well Testing</i>	2		1	2	PE432	<i>Engineering management</i>	2			2
PE445	<i>Integrated Field Development and Management I</i>	2		1	2	PE4411	<i>Integrated Field Development and Management II</i>	2		1	2
PE431	<i>Optimization</i>	2			2	PE4412	<i>Petroleum Economics</i>	2			2
PE446	<i>Reservoir Simulation</i>	3		1	3	PE4413	<i>Natural Gas Engineering</i>	3		1	3
PE447	<i>Risk analysis</i>	2			2	PE4414	<i>Enhanced Oil Recovery</i>	2		1	2
Total		19		5	19	Total		18	2	5	19
Total hr/week		24				Total hr/week		25			
Total Units		38									