SCHEME OF STUDIES
PETROLEUM ENGINEERING

Batch 2016-17

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING	*PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-116	Principles of Electrical Engineering	3	1	4
	CE-105	Engineering Surveying	3	1	4
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-107	Pakistan Studies (for Foreigners)			
FALL	*PE-102	Engineering Geosciences	2	1	3
	ME-101	Engineering Mechanics	3	1	4
	ME-102	Engineering Drawing	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-104	Functional English	3	0	3

* Vide Resolution No.AC-131.5(II)

Batch 2017

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 17-18	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-116	Principles of Electrical Engineering	3	1	4
	CE-105	Engineering Surveying	3	1	4
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-107	Pakistan Studies (for Foreigners)			
	*PE-102	Engineering Geosciences	2	1	3
	ME-101	Engineering Mechanics	3	1	4
	ME-102	Engineering Drawing	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-104	Functional English	3	0	3
	HS-230	Chinese Language-I	NC		

Batch 2018

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2018	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-116	Principles of Electrical Engineering	3	1	4
	CE-105	Engineering Surveying	3	1	4
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-107	Pakistan Studies (for Foreigners)			
	PE-102	Engineering Geosciences	2	1	3
SPRING 2019	ME-101	Engineering Mechanics	3	1	4
	ME-102	Engineering Drawing	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-104	Functional English	3	0	3
	HS-230	Chinese Language-I	NC		

Batch 2019

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2019	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-116	Principles of Electrical Engineering	3	1	4
	CE-105	Engineering Surveying	3	1	4
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-107	Pakistan Studies (for Foreigners)			
	PE-102	Engineering Geosciences	2	1	3
	ME-101	Engineering Mechanics	3	1	4
	ME-102	Engineering Drawing	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-104	Functional English	3	0	3
	HS-230	Chinese Language-I	NC		

Batch 2020

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2020	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-116	Principles of Electrical Engineering	3	1	4
	CE-105	Engineering Surveying	3	1	4
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-105	Pakistan Studies OR	2	0	2
	HS-107	Pakistan Studies (for Foreigners)			
	PE-102	Engineering Geosciences	2	1	3
	ME-101	Engineering Mechanics	3	1	4
	ME-102	Engineering Drawing	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-104	Functional English	3	0	3
	HS-230	Chinese Language-I	NC		
SPRING 2021	HS-200	Community Service	NC		

Batch 2021

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2021	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	*EE-124	Basic Electricity and Electronics	2	1	3
	*ME-111	Engineering Drawing	1	3	2
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	*HS-106	Pakistan Studies OR	1	0	1
	*HS-107	Pakistan Studies (for Foreigners)			
	*PE-104	Applied Petroleum Geology	2	1	3
	*ME-104	Engineering Mechanics	3	1	4
	*PE-106	Computer Programming & Application	1	2	3
	*PH-127	Applied Physics for Engineers	2	1	3
	*HS-111	Functional English	2	0	3
	*HS-208	Islamic Studies OR	2	0	2
	*HS-209	Ethical Behaviour (For Non Muslims)			

* Vide Resolution No. AC-165.4(III)

Batch 2022

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2022	PE-101	Fundamentals of Petroleum Engineering	2	0	3
	EE-124	Basic Electricity and Electronics	2	1	3
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	HS-106	Pakistan Studies OR	1	0	1
	HS-107	Pakistan Studies (for Foreigners)			
	PE-104	Applied Petroleum Geology	2	1	3
	ME-104	Engineering Mechanics	3	1	4
	PE-105	Computer Programming & Application	1	2	3
	PH-127	Applied Physics for Engineers	2	1	3
	HS-111	Functional English	2	0	3
	HS-208	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour (For Non Muslims)			

* Vide Resolution No. AC-165.4(III)

Batch 2023

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2023	PE-103	Fundamentals of Petroleum Engineering	2	1	3
	EE-124	Basic Electricity and Electronics	2	1	3
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	*ES-106	Pakistan Studies OR	1	0	1
	*ES-107	Pakistan Studies (for Foreigners)			
	PE-104	Applied Petroleum Geology	2	1	3
	ME-104	Engineering Mechanics	3	1	4
	PE-105	Computer Programming & Application	1	2	3
	PH-127	Applied Physics for Engineers	2	1	3
	*EA-111	Functional English	2	0	2
	*ES-208	Islamic Studies OR	2	0	2
	*ES-209	Ethical Behaviour (For Non Muslims)			

* Vide Resolution No. AC-165.4(III)

Batch 2024

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2024	PE-103	Fundamentals of Petroleum Engineering	2	1	3
	EE-124	Basic Electricity and Electronics	2	1	3
	CY-109	Applied Chemistry	3	1	4
	MT-114	Calculus	3	0	3
	*ES-106	Pakistan Studies OR	1	0	1
	*ES-107	Pakistan Studies (for Foreigners)			
	PE-104	Applied Petroleum Geology	2	1	3
	ME-104	Engineering Mechanics	3	1	4
	PE-105	Computer Programming & Application	1	2	3
	PH-127	Applied Physics for Engineers	2	1	3
	*EA-111	Functional English	2	0	2
	*ES-208	Islamic Studies OR	2	0	2
	*ES-209	Ethical Behaviour (For Non Muslims)			

* Changed Vide Resolution No.AC-164.5(x)

Batch 2025

FIRST YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2025	ES-105	Pakistan Studies OR	2	0	2
	ES-127	Pakistan Studies (for Foreigners)	2	0	2
	ES-206	Islamic Studies OR	2	0	2
	ES-300	Ethical Behaviour (For Non Muslims)	2	0	2
	EA-104	Functional English	3	0	3
	MT-116	Calculus & Analytical Geometry	3	0	3
	PE-103	Fundamentals of Petroleum Engineering	2	1	3
	ME-101	Engineering Mechanics	3	1	4
	ME-106	Essential Chemistry	3	0	3
	ES-108	Ideology and Constitution of Pakistan	2	0	2
	CP-101	IT Fundamentals and Applications	3	1	4
SPRING 2026	MT-221	Linear Algebra and Ordinary Differential Equations	3	0	3
	PH-129	Applied Physics	3	1	4
	ME-111	Engineering Drawing	1	3	2
	PE-104	Applied Petroleum Geology	2	1	3

Changed with vide Resolution No.AC-168.3(iii)

Batch 2016-17

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 17-18	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-202	Petroleum Geology	2	1	3
	PE-203	Reservoir Petrophysics	2	1	3
	CE-215	Fluid Mechanics	3	1	4
	PE-206	Thermodynamics – I	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-231	Chinese Language-II	NC		
SPRING 2018	PE-205	Computer Programming & Application	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	CH-207	Fluid Mechanics-II	3	1	4
	PE-207	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3

Batch 2017

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2018	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-202	Petroleum Geology	2	1	3
	PE-203	Reservoir Petrophysics	2	1	3
	CE-215	Fluid Mechanics	3	1	4
	PE-206	Thermodynamics – I	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-231	Chinese Language-II	NC		
SPRING 2019	PE-205	Computer Programming & Application	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	CH-207	Fluid Mechanics-II	3	1	4
	PE-207	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3

Batch 2018

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2019	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-202	Petroleum Geology	2	1	3
	PE-203	Reservoir Petrophysics	2	1	3
	CE-215	Fluid Mechanics	3	1	4
	PE-206	Thermodynamics – I	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-231	Chinese Language-II	NC		
SPRING 2020	PE-205	Computer Programming & Application	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	CH-207	Fluid Mechanics-II	3	1	4
	PE-207	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3

Batch 2019

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2020	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-202	Petroleum Geology	2	1	3
	PE-203	Reservoir Petrophysics	2	1	3
	CE-215	Fluid Mechanics	3	1	4
	PE-206	Thermodynamics – I	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-231	Chinese Language-II	NC		
SPRING 2021	PE-205	Computer Programming & Application	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	CH-207	Fluid Mechanics-II	3	1	4
	PE-207	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3

Batch 2020

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2021	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-202	Petroleum Geology	2	1	3
	PE-203	Reservoir Petrophysics	2	1	3
	CE-215	Fluid Mechanics	3	1	4
	PE-206	Thermodynamics – I	2	1	3
	HS-205	Islamic Studies OR	2	0	2
	HS-209	Ethical Behaviour			
	HS-231	Chinese Language-II	NC		
SPRING 2022	PE-205	Computer Programming & Application	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	CH-207	Fluid Mechanics-II	3	1	4
	PE-207	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3

Batch 2021

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2022	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	*EA-219	Business Communication	2	1	3
	*PE-208	Reservoir Petrophysics	2	1	3
	*CE-212	Mechanics of Solids	3	1	4
	*PE-210	Thermodynamics – I	2	1	3
	UE-270	Surveying and Geo informatics	1	1	2
	*PE-211	Introduction to Data Sciences	2	1	3
	PE-212	Reservoir Fluid Properties	2	1	3
SPRING 2023	*PE-209	Fluid Mechanics	3	1	4
	*PE-213	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3
	*EA-899	Social Sciences Elective	2	0	2
	*EA-200	Community Service	NC		

* Vide Resolution No. AC-165.4(III)

Batch 2022

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2023	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-219	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3
	EA-899	Social Sciences Elective	2	0	2
	EA-200	Community Service	NC		

* Under Section 28(iv) Office Order Acad/42/150/16909

Batch 2023

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2024	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	PE-208	Reservoir Petrophysics	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	PE-210	Thermodynamics – I	2	1	3
	UE-270	Surveying and Geo informatics	1	1	2
	PE-211	Introduction to Data Sciences	2	1	3
	PE-212	Reservoir Fluid Properties	2	1	3
	PE-209	Fluid Mechanics	3	1	4
	PE-213	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3
	EA-899	Social Sciences Elective	2	0	2
	EA-200	Community Service	NC		

Batch 2024

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2025	MT-221	Linear Algebra & Ordinary Differential Equations	3	0	3
	EA-218	Business Communication	2	1	3
	PE-208	Reservoir Petrophysics	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	PE-210	Thermodynamics – I	2	1	3
	UE-270	Surveying and Geo informatics	1	1	2
	PE-211	Introduction to Data Sciences	2	1	3
	PE-212	Reservoir Fluid Properties	2	1	3
	PE-209	Fluid Mechanics	3	1	4
	PE-213	Drilling Engineering-I	2	1	3
	MT-331	Probability & Statistics	3	0	3
	EA-899	Social Sciences Elective	2	0	2
	EA-200	Community Service	NC		

* Under Section 28(iv) Office Order Acad/42/150/16909

Batch 2025

SECOND YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2026	EA-218	Business Communication	2	1	3
	PE-214	Reservoir Petrophysics	2	1	3
	CE-212	Mechanics of Solids	3	1	4
	PE-215	Thermodynamics	3	1	4
	PE-216	Structural Geology and Geophysical Exploration	3	0	3
	PE-200	Workshop Practice	0	1	1
	PE-217	Reservoir Fluid Properties	2	1	3
	PE-218	Fluid Mechanics	3	1	4
	PE-219	Drilling Engineering-I	3	1	4
	MT-331	Probability & Statistics	3	0	3
	CP-201	Social Sciences Elective	2	1	2
	CP-200	Community Service	NC		

Changed with vide Resolution No.AC-168.3(iii)

Batch 2016-17

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2018	PE-302	Reservoir Fluid Properties	2	1	3
	PE-305	Structural Geology & Geophysical Exploration	2	0	2
	PE-306	Subsurface Production Engineering	2	0	2
	PE-310	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	HS-304	Business Communication and Ethics	3	0	3
	PE-312	Drilling Engineering-II	2	1	3
	PE-308	Petroleum Production Economics	2	1	3
	PE-304	Reservoir Engineering – I	2	1	3
	PE-311	Fundamentals of Well Logging	3	1	4
	MT-442	Numerical Methods	3	0	3

Batch 2017

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2019	PE-302	Reservoir Fluid Properties	2	1	3
	PE-305	Structural Geology & Geophysical Exploration	2	0	2
	PE-306	Subsurface Production Engineering	2	0	2
	PE-310	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	HS-304	Business Communication and Ethics	3	0	3
	PE-312	Drilling Engineering-II	2	1	3
	PE-308	Petroleum Production Economics	2	1	3
	PE-304	Reservoir Engineering – I	2	1	3
	PE-311	Fundamentals of Well Logging	3	1	4
	MT-442	Numerical Methods	3	0	3

Batch 2018

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2020	PE-302	Reservoir Fluid Properties	2	1	3
	PE-305	Structural Geology & Geophysical Exploration	2	0	2
	PE-306	Subsurface Production Engineering	2	0	2
	PE-310	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	HS-304	Business Communication and Ethics	3	0	3
	PE-312	Drilling Engineering-II	2	1	3
	PE-308	Petroleum Production Economics	2	1	3
	PE-304	Reservoir Engineering – I	2	1	3
	PE-311	Fundamentals of Well Logging	3	1	4
	MT-442	Numerical Methods	3	0	3

Batch 2019

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2021	PE-302	Reservoir Fluid Properties	2	1	3
	PE-305	Structural Geology & Geophysical Exploration	2	0	2
	PE-306	Subsurface Production Engineering	2	0	2
	PE-310	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	HS-304	Business Communication and Ethics	3	0	3
	PE-312	Drilling Engineering-II	2	1	3
	PE-308	Petroleum Production Economics	2	1	3
	PE-304	Reservoir Engineering – I	2	1	3
	PE-311	Fundamentals of Well Logging	3	1	4
	MT-442	Numerical Methods	3	0	3

Batch 2020

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2022	PE-302	Reservoir Fluid Properties	2	1	3
	PE-305	Structural Geology & Geophysical Exploration	2	0	2
	PE-306	Subsurface Production Engineering	2	0	2
	PE-310	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	HS-304	Business Communication and Ethics	3	0	3
	PE-312	Drilling Engineering-II	2	1	3
	PE-308	Petroleum Production Economics	2	1	3
	PE-304	Reservoir Engineering – I	2	1	3
	PE-311	Fundamentals of Well Logging	3	1	4
	MT-442	Numerical Methods	3	0	3

Batch 2021

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2023	*PE-314	Petroleum Production Economics	2	0	2
	*PE-315	Structural Geology & Geophysical Exploration	2	0	2
	*PE-316	Subsurface Production Engineering	3	0	3
	*PE-317	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	*EA-219	Professional Ethics	2	0	2
	*PE-318	Drilling Engineering-II	3	1	4
	~~PE-899~~	Elective-I	2	1	3
	*PE-319	Reservoir Engineering – I	3	1	4
	*PE-311	Fundamentals of Well Logging	3	1	4
	*PE-471	Applied Numerical Methods	2	1	3
	*EA-E5	Foreign Language-I			

* Vide Resolution No. AC-165.4(III)

** Under Section 28(iv) Office Order Acad/42/150/16909

Batch 2022

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2024	PE-314	Petroleum Production Economics	2	0	2
	PE-315	Structural Geology & Geophysical Exploration	2	0	2
	PE-316	Subsurface Production Engineering	3	0	3
	PE-317	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	EA-219	Professional Ethics	2	0	2
	PE-318	Drilling Engineering-II	3	1	4
	~~PE-899~~	Elective-I	2	1	3
	PE-319	Reservoir Engineering – I	3	1	4
	PE-311	Fundamentals of Well Logging	3	1	4
	PE-471	Applied Numerical Methods	2	1	3
	EA-E5	Foreign Language-I			

Batch 2023

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2025	PE-314	Petroleum Production Economics	2	0	2
	PE-315	Structural Geology & Geophysical Exploration	2	0	2
	PE-316	Subsurface Production Engineering	3	0	3
	PE-317	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	EA-219	Professional Ethics	2	0	2
	PE-318	Drilling Engineering-II	3	1	4
	~~PE-899~~	Elective-I	2	1	3
	PE-319	Reservoir Engineering – I	3	1	4
	PE-311	Fundamentals of Well Logging	3	1	4
	PE-471	Applied Numerical Methods	2	1	3
	EA-E5	Foreign Language-I			

Batch 2024

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2026	PE-314	Petroleum Production Economics	2	0	2
	PE-315	Structural Geology & Geophysical Exploration	2	0	2
	PE-316	Subsurface Production Engineering	3	0	3
	PE-317	Natural Gas Engineering	2	1	3
	EL-305	Instrumentation & Control	3	1	4
	EA-219	Professional Ethics	2	0	2
	PE-318	Drilling Engineering-II	3	1	4
	~~PE-899~~	Elective-I	2	1	3
	PE-319	Reservoir Engineering – I	3	1	4
	PE-311	Fundamentals of Well Logging	3	1	4
	PE-471	Applied Numerical Methods	2	1	3
	EA-E5	Foreign Language-I			

Batch 2025

THIRD YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2027	PE-325	Introduction to Data Science	2	1	3
	PE-318	Drilling Engineering-II	3	1	4
	PE-326	Reservoir Engineering	3	1	4
	PE-320	Fundamentals of Well Logging	3	1	4
	MT-471	Applied Numerical Methods	2	1	3
	PE-314	Petroleum Production Economics	2	0	2
	PE-327	Production Engineering I	3	0	3
	~~PE-899~~	Elective-I	2	1	3
SPRING 2028	PE-324	Reservoir Geomechanics	2	0	2
	PE-321	Petroleum Refinery Engineering	3	1	4
	CS-320	Artificial Intelligence	3	1	4
	EA-E5	Foreign Language-I			

Changed with vide Resolution No.AC-168.3(iii)

Batch 2016-17

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
FALL 2019	PE-401	Reservoir Simulation	3	1	4
	PE-402	Reservoir Engineering-II	3	1	4
	PE-408	Well Testing	2	1	3
	PE-409	Introduction to Unconventional Oil, Gas & Energy Resources	2	0	2
	PE-411	Petroleum Refinery Engineering	3	1	4
	PE-410	*Petroleum Engineering Project	0	3	3
	PE-414	Oil and Gas Field Production Facilities	3	1	4
SPRING 2020	PE-416	Water Flooding and Introduction to Enhanced Oil Recovery	3	1	4
	PE-406	Petroleum Refinery Engineering	3	1	4
	PE-407	Petroleum Property Env. & Safety Management	2	0	2
	PE-410	Petroleum Engineering Project	0	3	3

* Duration one academic year. Requires literature survey and preliminary work during this Semester

Batch 2017

FINAL YEAR ——— SEMESTER SYSTEM

	Course Code	Course Title	Crd Hrs Th	Pr	T
		Petroleum Engineering			
SPRING 2020	PE-401	Reservoir Simulation	3	1	4
	PE-402	Reservoir Engineering-II	3	1	4
	PE-408	Well Testing	2	1	3
	PE-409	Introduction to Unconventional Oil, Gas & Energy Resources	2	0	2
	PE-411	Petroleum Refinery Engineering	3	1	4
	PE-410	*Petroleum Engineering Project	0	3	3
	PE-414	Oil and Gas Field Production Facilities	3	1	4
	PE-416	Water Flooding and Introduction to Enhanced Oil Recovery	3	1	4
	PE-406	Petroleum Refinery Engineering	3	1	4
	PE-407	Petroleum Property Env. & Safety Management	2	0	2
	PE-410	Petroleum