

Campus:	Main Campus
Faculty:	Faculty of Earth Sciences & Engineering
Department:	Department of Petroleum & Gas Engineering
OBE coordinator:	Engr. Azam Khan

Noe: Mapping can be done by matching the keywords or statement parts of each CLO (or course description) with SDGs. Please see the additional sheets for more details. In following table, we only need Course-SDGs mapping for all the courses.

Courses and SDGs mapping																			
Sr #	Code	Course	SDG1	SDG2	SDG3	SDG4	SDG5	SDG6	SDG7	SDG8	SDG9	SDG10	SDG11	SDG12	SDG13	SDG14	SDG15	SDG16	SDG17
			No poverty	Zero Hunger	Good Health and Wellbeing	Quality Education	Gender Equality	Clean Water and Sanitation	Affordable and Clean Energy	Decent work and Economic Growth	Industry, Innovation, and Infrastructure	Reduced Inequalities	Sustainable Cities and Communities	Responsible Consumption and Production	Climate Action	Life Below Water	Life on Land	Peace, Justice and Strong Institutions	Partnerships
1	Pet. E-101	Fundamentals of Petroleum Engineering				✓			✓										
2	CS-101L	Introduction to Computer Programming for Data Science								✓									
3	CS-101L	Introduction to Computer Programming for Data Science								✓									
4	HU-111L	Communication Skills				✓													
5	MA-123	Calculus								✓									
6	Min-E-110	Applied Geology				✓													
7	Min-E-110L	Applied Geology				✓													
8	ME-120L	Engineering Drawing & Graphics									✓								
9	QT-101	Translation of Holy Quran-I																✓	
10	Pet. E-102	Petroleum Geology & Geophysics									✓								
11	Pet. E-103	Occupational Health and Safety			✓														
12	CY-171	Petroleum Chemistry				✓													
13	CY-171L	Petroleum Chemistry				✓													
14	IS-101	Islamic/Ethics & Pakistan Studies-I																✓	
15	MA-129	Vector and Complex Analysis								✓									
16	ME-100L	Workshop Practice				✓													
17	Phy-115	Applied Physics				✓													
18	Phy-115L	Applied Physics				✓													
19	QT-201	Translation of Holy Quran-II																✓	
20	Pet. E-203	Petrophysics				✓													
21	Pet. E-203L	Petrophysics				✓													
22	Pet. E-204	Drilling Engineering-I									✓								
23	Pet. E-204L	Drilling Engineering-I									✓								
24	CE-216	Strength of Materials									✓								
25	CE-216L	Strength of Materials									✓								
26	EE-201	Electrical Engineering & Electronics								✓									
27	EE-201L	Electrical Engineering & Electronics								✓									
28	IS-201	Islamic/Ethics & Pakistan Studies-II																✓	
29	Pet. E-205	Properties of Reservoir Fluids												✓					
30	Pet. E-205L	Properties of Reservoir Fluids												✓					

31	C.E-233	Fluid Mechanics						✓											
32	C.E-233L	Fluid Mechanics						✓											
33	Ch. E-251	Applied Thermodynamics							✓										
34	Ch. E-251L	Applied Thermodynamics							✓										
35	HU-221	Technical Writing & Presentation Skills				✓													
36	MA-225	Differential Equations and Transforms								✓									
37	QT-301	Translation of Holy Quran-III																✓	
38	Pet. E-313	Well Logging								✓									
39	Pet. E-313L	Well Logging								✓									
40	Pet. E-314	Reservoir Engineering								✓									
41	Pet. E-314L	Reservoir Engineering								✓									
42	Pet. E-322	Natural Gas Processing and Pipeline Management													✓				
43	Pet. E-322L	Natural Gas Processing and Pipeline Management													✓				
44	MA-343	Applied Probability and Statistics								✓									
45	MA-346	Numerical Methods								✓									
46	Pet. E-306	Drilling Engineering-II																✓	
47	Pet. E-306L	Drilling Engineering-II																✓	
48	Pet. E-315	Petroleum Production Engineering-I									✓								
49	Pet. E-315L	Petroleum Production Engineering-I									✓								
50	Pet. E-317	Petroleum Economics & Risk Analysis								✓									
51	Ch. E-351	Chemical Technology of Petroleum									✓								
52	Ch. E-351L	Chemical Technology of Petroleum									✓								
53		Natural Sciences/ Math Elective								✓									
54	Pet. E-422	Principles of Reservoir Simulation									✓								
55	Pet. E-422L	Principles of Reservoir Simulation									✓								
56	Pet. E-424	Well Testing													✓				
57	Pet. E-424L	Well Testing													✓				
58	Pet. E-425	Petroleum Production Engineering-II													✓				
59	Pet. E-425L	Petroleum Production Engineering-II													✓				
60	Ch. E-453	Environment & Safety													✓				
61	Ch. E-453L	Environment & Safety													✓				
62	Pet. E-491	Project (Phase-I)				✓		✓		✓	✓				✓				✓
63	QT-401	Translation of Holy Quran-IV																✓	
64	Pet. E-421	Field Operations in Petroleum Engineering								✓									
65	Pet. E-423	Reservoir Management													✓				
66	Pet. E-423L	Reservoir Management													✓				

67	Pet. E-429	Principles of Enhanced Oil Recovery													✓				
68	Pet. E-429L	Principles of Enhanced Oil Recovery													✓				
69	MGT-413	Entrepreneurship																	✓
70	Pet. E-492	Project (Phase-II)				✓		✓		✓	✓				✓				✓