



NEAR EAST UNIVERSITY

**DEPARTMENT OF Petroleum and
Natural Gas Engineering**
Course and Program Outcomes Matrix

2021-2022

1 (1 st Semester)						2 (2 nd Semester)					
Course Code	Course Name	CR	ECTS	Status	Grade	Course Code	Course Name	CR	ECTS	Status	Grade
ECC 101	Introduction to Programming	4	5	Compulsory		TDE 102	Technical Drawing	3	6	Compulsory	
CHM101	General Chemistry	4	5	Compulsory		ENG102	English II	3	3	Compulsory	
ENG101	English I	3	3	Compulsory		MTH102	Calculus II	4	6	Compulsory	
MTH 101	Calculus I	4	5	Compulsory		PHY 102	General Physics II	4	6	Compulsory	
PGE 101	Introduction to Petroleum Engineering	3	5	Compulsory		YIT 101 TUR 101	Turkish for Foreigners I Turkish Language I	2	2	Compulsory	
PHY 101	General Physics I	4	5	Compulsory		CAR 100	Career Planning	0	2	Compulsory	
CHC100	Cyprus History and Culture	2	2	Non-technical Elective		CHM 102	Physical Chemistry	3	5	Compulsory	
		23	30					20	30		

3 (3 rd Semester)						4 (4 th Semester)					
Course Code	Course Name	CR	ECTS	Status	Grade	Course Code	Course Name	CR	ECTS	Status	Grade
ECC 207	Thermodynamics	4	6	Compulsory		PGE202	Petroleum Geology	3	6	Compulsory	
ECC 211	Engineering Materials	4	6	Compulsory		MTH 323	Numerical Analysis	3	5	Compulsory	
MTH 201	Differential Equations	4	6	Compulsory		PGE 218	Rock Properties	3	5	Compulsory	
PGE 201	General Geology	3	5	Compulsory		PGE220	Fluid Properties	4	6	Compulsory	
PGE 221	Engineering Mechanics	3	5	Compulsory		ECC 213	Strength of Materials	4	6	Compulsory	
YIT102 TUR 102	Turkish for Foreigners II Turkish Language II	2	2	Compulsory		NTE	Non-Technical Elective	3	3	Compulsory	
		23	30					19	30		

5 (5 th Semester)						6 (6 th Semester)					
Course Code	Course Name	CR	ECTS	Status	Grade	Course Code	Course Name	CR	ECTS	Status	Grade
PGE 300	Summer Practice I	0	2	Compulsory		PGE 304	Production Engineering II	3	5	Compulsory	
PGE 301	Introduction to Fluid Mechanics	4	6	Compulsory		PGE 306	Reservoir Engineering II	4	5	Compulsory	
PGE 303	Production Engineering I	3	5	Compulsory		PGE 308	Drilling Engineering II	4	5	Compulsory	
PGE 305	Reservoir Engineering I	3	5	Compulsory		PGE 310	Oil and Gas Pipeline System	3	5	Compulsory	
PGE 307	Drilling Engineering I	3	5	Compulsory		PGE 312	Well Logging	3	5	Compulsory	
AIT103 AIT 101	Principles of Atatürk and the History of Turkish Revolution I	2	2	Compulsory		UTE	Unrestricted Technical Elective	3	5	R. Elective	
MTH 251	Statistics and Probability	3	5	Compulsory							
		18	30					20	30		

7 (7 th Semester)						8 (8 th Semester)					
Course Code	Course Name	CR	ECTS	Status	Grade	Course Code	Course Name	CR	ECTS	Status	Grade
PGE 400	Summer Practice II	0	2	Compulsory		PGE 402	Graduation Project	3	5	Compulsory	
PGE 403	Natural Gas Engineering	3	5	Compulsory		ECC 426	Economics for Engineers	3	5	Compulsory	
PGE 405	Engineering Design	3	6	Compulsory		TE	Technical Elective	3	5	T. Elective	
PGE 411	Petroleum Property Valuation	3	5	T. Elective		TE	Technical Elective	3	5	T. Elective	
AIT104 AIT 102	Principles of Atatürk and the History of Turkish Revolution II	2	2	T. Elective		TE	Technical Elective	3	5	T. Elective	
TE	Technical Elective	3	5	T. Elective							
TE	Technical Elective	3	5	T. Elective							
		17	30					18	30		

4.4. Program details and the individual grade/marks obtained: