



Faculty of Earth Sciences



Petroleum Geology & Sedimentology Department



The Geological Society
Accredited degree courses

Departmental Program

5th Level (18 Credit Units)

Course Name		Course Symbol	الرمز/ الرقم	Contact hours per week			Credit Hours	Pre- requisite
				Lecture	Lab.	Training		
1	Arabic Language (2)	ARAB201	عرب ٢٠١	3	0	0	3	ARAB 101
2	Historical geology	EPS 212	ض بر ٢١٢	1	3	0	2	EPS 211, EPS 231
3	Principals of Geochemistry	EMR241	ض ثر ٢٤١	2	0	0	2	EMR 201 CHEM 281
4	Introduction to Petrology	EMR 304	ض ثر ٣٠٤	3	3	0	4	EPS 211, EMR 211
5	Carbonates and evaporates	EPS 321	ض بر ٣٢١	1	3	0	2	EPS 211
6	Petroleum geology	EPS 342	ض بر ٣٤٢	2	3	0	3	ESR 211
7	Seismic exploration for petroleum	EGP 371	ض جف ٣٧١	1	3	0	2	EGP 211
Total				18 Credit Units				

6th Level (17 Credit Units)

Course Name		Course Symbol	الرمز / الرقم	Contact hours per week			Credit Hours	Pre-requisite
				Lecture	Lab.	Training		
1	Islamic Culture (3)	ISLS 301	سلم ٣٠١	2	0	0	2	ISLS 201
2	Micropaleontology	EPS 232	ض بر ٢٣٢	2	3	0	3	EPS 211, EPS 231
3	Drilling and formation evaluation	EPS 343	ض بر ٣٤٣	2	3	0	3	EPS 342
4	Clastic sedimentary petrology	EPS 421	ض بر ٤٢١	1	3	0	2	EMR 304
5	Geology of the Kingdom	EMR 431	ض ثر ٤٣١	2	0	0	2	ESR 301, EMR 304
6	Subsurface geology	EPS 341	ض بر ٣٤١	2	3	0	3	EMR 304, ESR 211
7	Borehole geophysics	EGP 451	ض جف ٤٥١	1	3	0	2	EPS 211, EGP 211, ESR 211
Total				17 Credit Units				

Summer 2								
	Course Name	Course Symbol	الرمز / الرقم	Lecture	Lab.	Training	Credit Hours	Pre-requisite
1	Geological Mapping	ESR 303	ض بش ٣٠٣	0	0	2	2	ESR 301, STAT 110
2	Training in the Specialization	EPS 399	ض بر ٣٩٩	0	0	2	2	EPS 321 EPS 341 EPS 342

7th Level (17 Credit Units)

Course Name		Course Symbol	الرمز / الرقم	Contact hours per week			Credit Hours	Pre-requisite
				Lecture	Lab.	Training		
1	Islamic Culture (4)	ISLS401	سلم ٤٠١	2	0	0	2	ISLS 301
2	Data Processing and Statistical Geology	EHG 201	ض جم ٢٠١	٢	0	0	2	EMR 201 MATH 110
3	Applied hydrology	EHG 311	ض جم ٣١١	2	3	0	3	MATH 110, EMR 201
4	Seminar	EPS 408	ض بر ٤٠٨	1	0	0	1	EPS 399, EPS 343, EMR 431
5	Palaeo-sedimentary environments	EPS 411	ض بر ٤١١	2	3	0	3	EMR 304, EPS 321
6	Petroleum development geology	EPS 441	ض بر ٤٤١	2	3	0	3	EPS 343
7	Seismic Stratigraphy	EPS 444	ض بر ٤٤٤	2	3	0	3	EPS 341, EGP 371
Total				17 Credit Units				

8th Level (16 Credit Units)

Course Name		Course Symbol	الرمز / الرقم	Contact hours per week			Credit Hours	Pre-requisite
				Lecture	Lab.	Training		
1	Groundwater geology	EHG 313	ض جم ٣١٣	2	3	0	3	ESR 211, EHG 311
2	Palaeoecology	EPS 332	ض بر ٣٣٢	1	3	0	2	EPS 231, EPS 232
3	Mineral deposits of the Kingdom	EMR 434	ض ثر ٤٣٤	2	0	0	2	EMR 431
4	Middle East oil and gas fields	EPS 442	ض بر ٤٤٢	2	0	0	2	EMR 431, EPS 441
5	Properties of petroleum reservoirs	EPS 443	ض بر ٤٤٣	2	3	0	3	EPS 441
6	B.Sc. Project	EPS 499	ض بر ٤٩٩	0	0	4	4	EPS 408, EPS 421, EPS 441
Total				16 Credit Units				