



Sultan Qaboos University
Academic degree and Degree Plan of Postgraduate Studies Programs

College	Engineering		
Department	Petroleum and Chemical Engineering		
Degree Name	Master of Science	Degree	M.Sc.
Program / Major	Petroleum and Natural Gas Engineering	Cohort	2018-2019
Specialization	Petroleum and Natural Gas Engineering	Study Mode	Full-time & Part-time

Credit Required	30	
Core Courses	Elective Courses	Thesis
9	15	6

Program Option		
<input checked="" type="checkbox"/> Courses and thesis for Master	<input type="checkbox"/> Master Thesis	<input type="checkbox"/> Courses Only
<input type="checkbox"/> Courses and thesis for Ph.D.	<input type="checkbox"/> PhD Thesis	<input type="checkbox"/> Courses & Examination

Core Courses		
Course Code	Course Title	Credits
ENGR6913	Advanced Engineering Mathematics	3
PNGE6001	Transport Processes in Porous Media	3
PNGE6002	Advanced Reservoir Engineering	3
PNGE7001	Master Thesis	6
Total		15

Elective Courses		
Course Code	Course Title	Credits
ENGR6910	Advanced Engineering Probability and Statistics	3
ENGR6911	Advanced Engineering Management	3
ERSC6101	Petroleum System Analysis	3
ERSC6102	Wireline Analysis	3
ERSC6109	Description and Prediction of Reservoir Quality	3

ERSC6110	Petroleum Geology of the Middle East	3
PNGE6101	Advanced Production Engineering	3
PNGE6102	Natural Gas Engineering	3
PNGE6103	Applied Reservoir Simulation	3
PNGE6104	Reservoir Characterization and Evaluation	3
PNGE6105	Enhanced Oil Recovery Methods	3
PNGE6108	Thermophysical properties of oils and gases	3
PNGE6111	Advanced Petroleum Geology	3
PNGE6112	Applied Geostatistics	3
PNGE6121	Economic Evaluation of Subsurface Reservoirs	3
PNGE6312	Production Enhancement	3
PNGE6900	Special Topics	3
Total		15

Signature of the Program Coordinator:

- **Note: New courses can be added.**

Assistant Dean for Graduate Studies and Scientific Research:

- **Please seal all pages when adding new pages.**

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