



**Sultan Qaboos University**  
**Academic Degree and Degree Plan of Postgraduate Studies Program**

<b>College</b>	Engineering		
<b>Department</b>	Petroleum and Chemical Engineering	<b>Degree</b>	M.Sc.
<b>Program- Major</b>	Petroleum and Natural Gas Engineering	<b>Cohort</b>	2020-2021
<b>Specialization</b>	Petroleum and Natural Gas Engineering	<b>Mode of Study</b>	<input type="checkbox"/> Full time <input type="checkbox"/> Part time <input checked="" type="checkbox"/> Both

<b>Credit Required for Graduation</b>	30	
<b>Core Courses</b>	<b>Thesis</b>	<b>Elective Courses</b>
9	6	15

Program Option		
<input checked="" type="checkbox"/> Courses and thesis	<input type="checkbox"/> Thesis Only	<input type="checkbox"/> Courses Only
<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
<b>Total</b>		<b>9</b>

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
<b>Total</b>		<b>15</b>

<b>Thesis</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
PNGE7001	Master Thesis	6
<b>Total</b>		<b>6</b>

<b>Approval and Signatures</b>		
<b>Program Coordinator:</b>	<b>Head Of Department:</b>	<b>Assistant Dean for Postgraduate Studies and Research:</b>
Prof. Rashid Al-Maamari	Dr. Jamil Naser	Dr. Nasser Al-Azri

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

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