

## COURSE STRUCTURE

### H2451 DIPLOMA IN PROCESS ENGINEERING (OIL AND GAS OPERATIONS)

	Year 1		Year 2		Year 3	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6

Course Structure Session 2019/2020							
Course Structure Session 2019/2020	<b>UNIVERSITY CORE (PROMOTIONAL) OF KNOWLEDGE</b>	<b>UW00602</b> Malaysian Studies  (2 Credit Hours)					
	<b>UNIVERSITY CORE LANGUAGE</b>	<b>UB10402</b> English for General Communication  (2 Credit Hours)	<b>UB10502</b> English for Professional Communication  (2 Credit Hours)	<b>UB20102</b> English for Technical Communication  (2 Credit Hours)			
	<b>UNIVERSITY CORE CO-CURRICULUM</b>		<b>EXXXX2</b> Co-Curriculum  (2 Credit Hours)				
	<b>PROGRAMME CORE</b>	<b>KR04403</b> Engineering Mathematics 1  <b>KR10101</b> Workshop Technology  <b>KR10303</b> Hydrocarbon Chemistry  <b>KR10503</b> Fluid Mechanics  <b>KR10703</b> Introduction to Oil and Gas Engineering	<b>KR05503</b> Engineering Mathematics 2  <b>KR10203</b> Engineering Science  <b>KR10401</b> Laboratory 1  <b>KR10603</b> Thermodynamics  <b>KR10803</b> Material Science and Engineering	<b>KR20102</b> Fundamentals of Electrical Engineering  <b>KR20303</b> Engineering Drawing  <b>KR20501</b> Laboratory 2  <b>KR20703</b> Acts, Regulations and Codes of Practices  <b>KR20903</b> Material and Energy Balances	<b>KR20202</b> Health, Safety and Environment  <b>KR20403</b> Work Ethics  <b>KR20601</b> Laboratory 3  <b>KR20803</b> Process Utility and Facilities  <b>KR21003</b> Process Control and Instrumentation  <b>KR21203</b> Separation Process	<b>KR30103</b> Final Year Project  <b>KR30303</b> Project Management and Entrepreneurship  <b>KR30501</b> Laboratory 4  <b>KR30703</b> Oil and Gas Transportation and Storage  <b>KR30903</b> Operation and Maintenance Management	<b>KR30005</b> Industrial Training

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				<b>KR21103</b> Petroleum Geology	<b>KR21403</b> Oil and Gas Production Operations		
	(13 Credit Hours)	(13 Credit Hours)	(15 Credit Hours)	(18 Credit Hours)	(13 Credit Hours)	(5 Credit Hours)	
<b>MINOR / ELECTIVES</b>					<b>KR3XXX3</b> (3 credit hours)		
<b>TOTAL (90 CREDIT HOURS)</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>18</b>	<b>16</b>	<b>5</b>	

**STUDENT CREDIT HOURS**

Core University (Upgrade Knowledge) + Core University (Language) + Core University (Co-Curriculum) + Core Program + Core Program (Elective): 2 Credit Hours + 6 Credit Hours + 2 Credit Hours + 77 Credit Hours + 3 Credit Hours = **90 Credit Hours**

<b>ELECTIVE</b>		
<b>KR33113</b> Environmental Technology in the Oil and Gas Industry	<b>KR33313</b> Enhanced Oil Recovery	<b>KR33513</b> Gas Reticulation and Storage