

2017 STUDY PLAN

FOR ADVANCED STANDING - OFFICE USE ONLY								
<input checked="" type="checkbox"/> Please mark the box to indicate advanced standing granted (use CONDITIONAL to denote conditional advanced standing)								
Unspecified Elective Credit:	Level 1:	units	Level 2:	units	Level 3:	units	Level 4:	units
Student ID Number:			Student Name:			Date: 6/12/16		
Assessor Name:			Advanced Standing Granted: units			Remaining Program Duration: 5 years		
Applicant's Previous Institution:			Applicant's Previous Qualification:					
Assessor's Comments:								

This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

BACHELOR OF ENGINEERING (HONOURS) (PETROLEUM, CIVIL AND STRUCTURAL)					
YEAR 1	S1	C&ENVENG 1008 Engineering Planning & Design IA (3 units) <input type="checkbox"/>	PETROENG 1005 Introduction to Petroleum Geosciences & the Oil Industry (3 units) <input type="checkbox"/>	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	C&ENVENG 1010 Engineering Mechanics - Statics (3 units) <input type="checkbox"/>
	S2	C&ENVENG 1009 Civil & Environmental Engineering IA (3 units) <input type="checkbox"/>	COMP SCI 1201 Introduction to Programming for Engineers (3 units) <input type="checkbox"/>	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	PETROENG 1006 Introduction to Petroleum Engineering (3 units) <input type="checkbox"/>
YEAR 2	S1	MATHS 2201 Engineering Mathematics IIA (3 units) <input type="checkbox"/>	C&ENVENG 2071 Water Engineering II (3 units) <input type="checkbox"/>	C&ENVENG 2025 Strength of Materials II (3 units) <input type="checkbox"/>	PETROENG 2010 Drilling Engineering (3 units) <input type="checkbox"/>
	S2	PETROENG 2009 Formation Evaluation, Petrophysics & Rock Properties (3 units) <input type="checkbox"/>	C&ENVENG 2069 Geotechnical Engineering II (3 units) <input type="checkbox"/>	PETROENG 2005 Sedimentology & Stratigraphy (3 units) <input type="checkbox"/>	C&ENVENG 2030 Structural Mechanics (3 units) <input type="checkbox"/>
YEAR 3	S1	PETROENG 3026 Formation Damage & Productivity Enhancement (3 units) <input type="checkbox"/>	PETROENG 3025 Reservoir Engineering (3 units) <input type="checkbox"/>	C&ENVENG 3005 Reinforced Concrete Design III (3 units) <input type="checkbox"/>	C&ENVENG 3001 Structural Mechanics III (3 units) <input type="checkbox"/>

2017 STUDY PLAN

YEAR 4	S2	C&ENVENG 3007 Structural Steel Design (3 units) (3 units) <input type="checkbox"/>	C&ENVENG 3012 Geotechnical Engineering Design III (3 units) Civil <input type="checkbox"/>	PETROENG 3020 Production Engineering (3 units) <input type="checkbox"/>	PETROENG 3019 Structural Geology & Seismic Methods (3 units) <input type="checkbox"/>
	S1	Civil Engineering Elective (3 units)* <input type="checkbox"/>	C&ENVENG 3077 Engineering Hydrology (3 units) <input type="checkbox"/>	C&ENVENG 4034 Civil Engineering Management IV (3 units) <input type="checkbox"/>	Civil Engineering Elective (3 units) <input type="checkbox"/>
	S2	Civil Engineering Elective (3 units)* <input type="checkbox"/>	Civil Engineering Elective (3 units) <input type="checkbox"/>	MATHS 2104 Numerical Methods II (3 units) <input type="checkbox"/>	C&ENVENG 3079 Water Engineering & Design III S2 (3 units) <input type="checkbox"/>
YEAR 5	S1	PETROENG 4027 Decision Making & Risk Analysis (3 units) <input type="checkbox"/>	PETROENG 4035 Reservoirs, Resources & Reserves (3 units) <input type="checkbox"/>	PETROENG 4004A Petroleum Engineering Honours Project Part 1 (3 units) <input type="checkbox"/>	Petroleum Engineering Elective (3 units) <input type="checkbox"/>
	S2	PETROENG 4022 Integrated Field Development & Economics Project (3 units) <input type="checkbox"/>	PETROENG 4034 Petroleum Business & Project Economics (3 units) <input type="checkbox"/>	PETROENG 4004B Petroleum Engineering Honours Project Part 2 (3 units) <input type="checkbox"/>	Petroleum Engineering Elective (3 units) <input type="checkbox"/>

CHOOSE FROM THE FOLLOWING PETROLEUM ENGINEERING ELECTIVES

SEMESTER 1	PETROENG 4033 Integrated Reservoir & Project Management IV (3 units) <input type="checkbox"/>	PETROENG 3005 Reservoir Characterisation & Modelling (3 units) <input type="checkbox"/>	PETROENG 3007 Well Testing & Pressure Transient Analysis (3 units) <input type="checkbox"/>	
SEMESTER 2	PETROENG 4037 Unconventional Resources & Recovery (3 units) <input type="checkbox"/>	PETROENG 3023 Well Completion & Simulation (3 units) <input type="checkbox"/>	PETROENG 3001 Reservoir Simulation (3 units) <input type="checkbox"/>	

CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES

SEMESTER 1	C&ENVENG 4073 Water Distribution Systems & Design (3 units) <input type="checkbox"/>	C&ENVENG 4099 Structural Response to Blast Loading (3 units) ^NOT OFFERED 2017 <input type="checkbox"/>	MINING 3072 Mining Geomechanics (3 units) <input type="checkbox"/>	MINING 4102 Mine Geotechnical Engineering (3 units) <input type="checkbox"/>
	C&ENVENG 4069 Advanced Reinforced Concrete (3 units) ^NOT OFFERED 2017 <input type="checkbox"/>	C&ENVENG 3029 Environmental Modelling & Management (3 units) <input type="checkbox"/>	C&ENVENG 4108 Environmental Systems Dynamics (3 units) <input type="checkbox"/>	CHEM ENG 4051 Water & Wastewater Engineering (3 units) <input type="checkbox"/>

2017 STUDY PLAN

	C&ENVENG 4112 Advanced Civil Geotechnical Engineering (3 units) <input type="checkbox"/>	C&ENVENG 4056 Linear Geostatistics (3 units) <input type="checkbox"/>	C&ENVENG 4222A Research Project A (3 units) <input type="checkbox"/>	C&ENVENG 4107 Prestressed Concrete Structures (3 units) <input type="checkbox"/>
WINTER	C&ENVENG 4114 Advanced Hydrological Modelling & Water Resources Management (3 units) <input type="checkbox"/>	C&ENVENG 4113EX Christchurch Earthquake Study Tour (3 units) <input type="checkbox"/> ^NOT OFFERED 2017	<input type="checkbox"/>	<input type="checkbox"/>
SEMESTER 2	C&ENVENG 4115 Advanced Topics in Flood Hydrology (3 units) <input type="checkbox"/>	<input type="checkbox"/>	C&ENVENG 4110 Soil & Groundwater Remediation (3 units) <input type="checkbox"/>	C&ENVENG 4109 Designing Water Resource Systems for Urban Environments (3 units) <input type="checkbox"/>
	C&ENVENG 4222B Research Project B (3 units) <input type="checkbox"/>	C&ENVENG 4111 Structural Dynamics & Applications (3 units) <input type="checkbox"/>	C&ENVENG 4085 Traffic Engineering (3 units) <input type="checkbox"/>	C&ENVENG 3222 Research Methodologies and Project Management <input type="checkbox"/>
SUMMER	C&ENVENG 4106 Introduction to Geostatistics (3 units) <input type="checkbox"/>	SOIL&WAT 3007WT GIS for Environmental Management III <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013 Mathematics IM in semester I, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

*Students who choose to complete a Civil Honours Project in addition to a Petroleum Honours project must undertake the following 3 courses C&ENVENG 3222 Research Methodologies and Project Management, C&ENVENG 4222A Research Project A and C&ENVENG 4222B Research Project B. The courses must be taken in the order commencing in semester 2. C&ENVENG 3222 is taken in lieu of C&ENVENG 3005 Structural Design III (Concrete) and C&ENVENG 4222A and C&ENVENG 4222B are presented in lieu of 6 units of electives. Note completion of Part B is dependent on the completion of Part A in order for 6 units to count towards the program.