FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

2017 STUDY PLAN

THE UNIVERSITY of ADELAIDE

FOR ADVANCED STANDING - OFFICE USE ONLY				
☒ 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: 1/12/16
Assessor Name:		Advanced Standing Granted: units		Remaining Program Duration: 4 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) (CIVIL & ARCHITECTURAL)					
YEAR 1	S1	C&ENVENG 1010 Engineering Mechanics - Statics (3 units) ☐	MATHS 1011 Mathematics IA (3 units)# ☐	DESST 1504 Representation I (3 units) ☐	C&ENVENG 1013 Introduction to Architectural Engineering (3 units) ☐
	S2	DESST 2521 History Theory II (3 units)*** ☐	MATHS 1012 Mathematics IB (3 units) ☐	DESST 1507 Construction I (3 units) ☐	DESST 1508 Environment I (3 units) ☐
YEAR 2	S1	C&ENVENG 2025 Strength of Materials II (3 units) ☐	MATHS 2201 Engineering Mathematics IIA (3 units) ☐	DESST 1503 Design Studio I (6 units) ☐	
	S2	C&ENVENG 2069 Geotechnical Engineering II (3 units) ☐	C&ENVENG 2030 Structural Mechanics (3 units) ☐	C&ENVENG 1012 Engineering Modelling & Analysis 1 (3 units) ☐	C&ENVENG 2067 Construction Management & Surveying (3 units) **OR** MECH ENG 1007 Engineering Mechanics Dynamics ☐
YEAR 3	S1	C&ENVENG 3001 Structural Mechanics III (3 units) ☐	C&ENVENG 3005 Reinforced Concrete Design (3 units) ☐	DESST 2517 Environment II (3 units) ☐	C&ENVENG 2071 Water Engineering II (3 units) ☐
	S2	C&ENVENG 3222 Research Methodologies and Project Management (3 units) ☐	C&ENVENG 3012 Geotechnical Engineering Design III (3 units) ☐	C&ENVENG 2070 Engineering Modelling & Analysis II (3 units) ☐	C&ENVENG 3007 Structural Steel Design (3 units) ☐

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YEAR 4	S1	C&ENVENG 4222A Research Project Part A: Civil (3 units) ☐	C&ENVENG 4034 Engineering Management IV (3 units) ☐	C&ENVENG 4041 Structural Design Practice (3 units) ☐	Elective (3 units) ☐
	S2	C&ENVENG 4222B Research Project Part B: Civil (3 units) ☐	C&ENVENG 4068 Computer Methods of Structural Analysis (3 units) ☐	Elective (3 units) ☐	Elective (3 units) ☐

CHOOSE FROM THE FOLLOWING ELECTIVES				
SUMMER	C&ENVENG 4106 Introduction to Geostatistics (3 units)** ☐	☐	☐	☐
SEMESTER 1	DESST 3519 Advanced Architecture Technologies (3 units) ☐	C&ENVENG 3077 Engineering Hydrology (3 units) ☐	C&ENVENG 4112 Advanced Civil Geotechnical Engineering (3 units) ☐	CHEM ENG 4051 Water & Wastewater Engineering (3 units) ☐
	MINING 3072 Mining Geomechanics (3 units) ☐	C&ENVENG 4069 Advanced Reinforced Concrete (3 units) **^NOT OFFERED 2017** ☐	C&ENVENG 4056 Linear Geostatistics (3 units)** ☐	DESST 3514 Construction III (3 units) ☐
	C&ENVENG 4107 Prestressed Concrete Structures (3 units) ☐	☐	Level II or III Mathematics Course (3 units) ☐	☐
WINTER SCHOOL	C&ENVENG 4113EX Christchurch Earthquake Study Tour (3 units) **^NOT OFFERED 2017** ☐	☐	☐	☐
SEMESTER 2	☐	C&ENVENG 3079 Water Engineering & Design III (3 units) ☐	C&ENVENG 4085 Traffic Engineering (3 units) ☐	DESST 3517 Environment III (3 units) ☐
	ENTREP 3900 Entrepreneur's Challenge (3 units) ☐	C&ENVENG 4111 Structural Dynamics & Applications (3 units) ☐	**C&ENVENG 4070 Seismic Design of Masonry Buildings (3 units)** ☐	☐

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.

** C&ENVENG 4106 Introduction to Geostatistics is a pre-requisite to C&ENVENG 4056 Linear Geostatistics.

RESEARCH PROJECT INFORMATION

The 9 unit Research project must be undertaken in three consecutive semesters. Students form their groups and formulate their Research Proposal in C&ENVENG 3222. The group then develop the Research Project in C&ENVENG 4222A Part A and C&ENVENG 4222B Part B.

Administrative note only:
***International students present ENG 3003 Engineering Communication EAL in lieu of DESST 2521 History Theory II (3 units).

~ Interest in Master of Architecture
Students who want to proceed directly to undertake the Master of Architecture following completion of the Bachelor of Engineering (Honours) (Civil & Architectural) are advised to make contact with the Student/Course advisors within the School of Civil, Environmental and Mining Engineering, before the end of their Level 3 studies. There is an alternative Level 4 study plan for students wishing to take this pathway.

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Assessor Name:		Advanced Standing Granted: units		Remaining Program Duration: 4 years
Applicant's Previous Institution:		Applicant's Previous Qualification:		
Assessor's Comments:				

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BACHELOR OF ENGINEERING (HONOURS) (CIVIL & ARCHITECTURAL) – Semester 2 Start					
YEAR 1		☐	☐	☐	☐
	S2	DESST 2521 History Theory II (3 units)*** ☐	MATHS 1011 Mathematics IA (3 units)# ☐	DESST 1507 Construction I (3 units) ☐	DESST 1508 Environment I (3 units) ☐
YEAR 2	S1	C&ENVENG 1010 Engineering Mechanics - Statics (3 units) ☐	MATHS 1012 Mathematics IB (3 units) ☐	DESST 1504 Representation I (3 units) ☐	C&ENVENG 1013 Introduction to Architectural Engineering (3 units) ☐
	S2	C&ENVENG 2069 Geotechnical Engineering II (3 units) ☐	C&ENVENG 2030 Structural Mechanics (3 units) ☐	C&ENVENG 2067 Construction Management & Surveying (3 units) **OR** MECH ENG 1007 Engineering Mechanics Dynamics ☐	C&ENVENG 1012 Engineering Modelling & Analysis 1 (3 units) ☐
YEAR 3	S1	C&ENVENG 2025 Strength of Materials II (3 units) ☐	MATHS 2201 Engineering Mathematics IIA (3 units) ☐	DESST 1503 Design Studio I (6 units) ☐	
	S2	C&ENVENG 2070 Engineering Modelling & Analysis II (3 units) ☐	C&ENVENG 3007 Structural Steel Design (3 units) ☐	C&ENVENG 3012 Geotechnical Engineering Design III (3 units) ☐	C&ENVENG 3222 Research Methodologies and Project Management (3 units) ☐

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YEAR 4	S 1	C&ENVENG 3005 Reinforced Concrete Design (3 units) ☐	DESST 2517 Environment II (3 units) ☐	C&ENVENG 3001 Structural Mechanics III (3 units) ☐	C&ENVENG 4222A Research Project Part A: Civil (3 units) ☐
	S 2	Elective (3 units) ☐	C&ENVENG 4068 Computer Methods of Structural Analysis (3 units) ☐	Elective (3 units) ☐	C&ENVENG 4222B Research Project Part B: Civil (3 units) ☐
YEAR 5	S 1	C&ENVENG 2071 Water Engineering II (3 units) ☐	C&ENVENG 4034 Engineering Management IV (3 units) ☐	C&ENVENG 4041 Structural Design Practice (3 units) ☐	Elective (3 units) ☐
		☐	☐	☐	☐

CHOOSE FROM THE FOLLOWING ELECTIVES				
SUMMER	C&ENVENG 4106 Introduction to Geostatistics (3 units)** ☐	☐	☐	☐
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	MINING 3072 Mining Geomechanics (3 units) ☐	C&ENVENG 4069 Advanced Reinforced Concrete (3 units) **^NOT OFFERED 2017** ☐	C&ENVENG 4056 Linear Geostatistics (3 units)** ☐	DESST 3514 Construction III (3 units) ☐
	Level II or III Mathematics Course (3 units) ☐	C&ENVENG 4107 Prestressed Concrete Structures (3 units) ☐	☐	☐
WINTER SCHOOL	C&ENVENG 4113EX Christchurch Earthquake Study Tour (3 units) **^NOT OFFERED 2017** ☐	☐	☐	☐
SEMESTER 2	**C&ENVENG 4070 Seismic Design of Masonry Buildings (3 units** ☐	C&ENVENG 3079 Water Engineering & Design III (3 units) ☐	C&ENVENG 4085 Traffic Engineering (3 units) ☐	DESST 3517 Environment III (3 units) ☐
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Mid-Year Students: If you commenced your studies in semester 2, please contact the Faculty Office for advice regarding the placement of the Research Project courses.

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