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: units		
Student ID Number:	Student Name: ,	Date: 1/12/16
Assessor Name:	Advanced Standing Granted: units	Remaining Program Duration: 2 years
Applicant's Previous Institution:	Applicant's Previous Qualification:	
Assessor 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).

MASTER OF ENGINEERING (MECHANICAL)					
YEAR 1	S1	ELEC ENG 7057 Engineering Communication & Critical Thinking (3 units) ☐	MECH ENG 7070 Heat Transfer & Thermodynamics (3 units) ☐	MECH ENG 7074 Structural Design & Solid Mechanics (3 units) ☐	PROJMGNT 5021 Applied Project Management 1 (3 units) ☐
	S2	MECH ENG 7047 Dynamics & Control II (3 units) ☐	MECH ENG 7068 Applied Aerodynamics (3 units) ☐	ELEC ENG 7164 Business Management Systems(3 units) ☐	MATHS 7025 Research Methods and Statistics (3 units) ☐
YEAR 2	S1	MECH ENG 7041A Masters Project Part 1 (6 units) ☐		Elective (3 units) ☐	Elective (3 units) ☐
	S2	MECH ENG 7041B Masters Project Part 2 (6 units) ☐		Elective (3 units) ☐	Elective (3 units) ☐

Foundation Courses

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CHOOSE FROM THE FOLLOWING ELECTIVES				
SEMESTER 1	MECH ENG 7028 Advanced PID Control (3 units) ☐	MECH ENG 7059 Finite Element Analysis of Structures (3 units)* ☐	MECH ENG 7020 Materials Selection & Failure Analysis (3 units) ☐	MECH ENG 7050 Sustainability & the Environment (3 units) ☐
	MECH ENG 7076 Renewable Fluid Power Technologies (3 units)* ☐	MECH ENG 7030 Advanced Vibrations (3 units)* ☐	MECH ENG 7045 CFE for Engineering Applications (3 units) ☐	MECH ENG 7026 Advanced Topics in Fluid Mechanics (3 units)* **^NOT OFFERED 2017** ☐
	MECH ENG 7021 Combustion Technology & Emission Control (3 units)* ☐	☐	☐	☐
SEMESTER 2	MECH ENG 7034 Advanced Digital Control (3 units) ☐	MECH ENG 7029 Airconditioning (3 units) ☐	MECH ENG 7044 Biomechanical Engineering (3 units) ☐	MECH ENG 7043 Stresses in Plates & Shells (3 units) **^NOT OFFERED 2017** ☐
	MECH ENG 7075 Sustainable Thermal Technologies (3 units) ☐	MECH ENG 7023 Fracture Mechanics (3 units)* ☐	CHEM ENG 7047 Composites & Multiphase Polymers (3 units) **^NOT OFFERED 2017** ☐	MECH ENG 7061 Corrosion Principles & Prevention (3 units) ☐
SUMMER	MECH ENG 7027 Engineering Acoustics (3 units) ☐	MECH ENG 7023 Fracture Mechanics (3 units)* ☐	☐	☐

*Students must choose at least two electives denoted with an asterisk. Advanced standing does not count towards the two course minimum requirement.

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MASTER OF ENGINEERING (MECHANICAL) - Semester 2 Start					
YEAR 1	S1				
	S2	MECH ENG 7047 Dynamics & Control II (3 units) ☐	MECH ENG 7068 Applied Aerodynamics (3 units) ☐	ELEC ENG 7057 Engineering Communication & Critical Thinking (3 units) ☐	MATHS 7025 Research Methods and Statistics (3 units) ☐
YEAR 2	S1	Elective Course (3 units) ☐	MECH ENG 7070 Heat Transfer & Thermodynamics (3 units) ☐	MECH ENG 7074 Structural Design & Solid Mechanics (3 units) ☐	PROJMGNT 5021 Applied Project Management 1 (3 units) ☐
	S2	MECH ENG 7041A Masters Project Part 1 (6 units) ☐		ELEC ENG 7164 Business Management Systems (3 units) ☐	Elective Course (3 units) ☐
YEAR 3	S1	MECH ENG 7041B Masters Project Part 2 (6 units) ☐		Elective Course (3 units) ☐	Elective Course (3 units) ☐

Foundation Courses

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	MECH ENG 7076 Renewable Fluid Power Technologies (3 units)* ☐	MECH ENG 7030 Advanced Vibrations (3 units)* ☐	MECH ENG 7045 CFE for Engineering Applications (3 units) ☐	MECH ENG 7026 Advanced Topics in Fluid Mechanics (3 units)* **^NOT OFFERED 2017** ☐
	MECH ENG 7021 Combustion Technology & Emission Control (3 units)* ☐	☐	☐	☐
SEMESTER 2	MECH ENG 7034 Advanced Digital Control (3 units) ☐	MECH ENG 7029 Airconditioning (3 units) ☐	MECH ENG 7044 Biomechanical Engineering (3 units) ☐	MECH ENG 7043 Stresses in Plates & Shells (3 units) **^NOT OFFERED 2017** ☐
	MECH ENG 7075 Sustainable Thermal Technologies (3 units) ☐	MECH ENG 7023 Fracture Mechanics (3 units)* ☐	CHEM ENG 7047 Composites & Multiphase Polymers (3 units) **^NOT OFFERED 2017** ☐	MECH ENG 7061 Corrosion Principles & Prevention (3 units) ☐
SUMMER	MECH ENG 7027 Engineering Acoustics (3 units) ☐	MECH ENG 7023 Fracture Mechanics (3 units)* ☐	☐	☐