

**FACULTY OF ENGINEERING**  
**MECHANICAL AND MECHATRONIC ENGINEERING**  
**Courses offered in the academic year 2016-2017**

level	Semester I			Semester II		
	Course code	units	Course Name	Course Code	units	Course Name
<b>1</b>	ENGG1013	1	Engineering Drawing and Computer Drafting	ELEC1100	2	Principles of Electrical Circuits
	UNIR1000	2	Communication Skills	MATH1100	2	Calculus & Linear Algebra
	MATH1000	2	Mathematical Foundations	ENGG1010	2	Applied Mechanics
	CHEM1020	2	General Chemistry	ENGG1023	2	Engineering Materials
	COMP1500	2	Introduction To Programming	UNIR1001	1	Oman and Islamic Culture
<b>2</b>	MECH2308	2	Strength of Materials	METR2000	2	Fundamentals of Mechatronics
	MATH2100	2	Calculus & Statistics	MECH2108	2	Mechanical Drawing and Design Fundamentals
	ELEC2113	2	Instrumentation & Measurement	MECH2413	2	Fluids Mechanics
	MECH2118	2	Manufacturing Processes	UNIR2000	2	Organizational Communication
	UNIR2001	2	Entrepreneurship	UNIR1002	1	Arabic Language skills
<b>3</b>	MECH3800	2	Non-Destructive testing & Metrology	METR3013	2	Programmable Logic Controllers and Automation
	ENGG3700	2	Numerical Analysis & Optimization	MECH3313	2	Advanced Machine Design & Finite Elements
	METR3200	2	Control System Engineering	MECH3508	2	Thermodynamics
	MECH3408	2	Heat Transfer	UNIR3000	2	Research Methodology
	<b>4</b>	METR4900A	2	Thesis Project	METR4900B	2
METR3200		2	Control System Engineering	ENGG4000	2	Renewable & Sustainable Energy
ELEC4600		2	Signal & Image Processing	MECH4960	2	Special Topics B
MECH4950		2	Special Topics A	MECH4500	2	Refrigeration & Air Conditioning

Diploma **37 units**

Advanced Diploma **53 units**

Bachelor of Engineering **69 units**