

18. Mapping of Programme Learning Outcome to Courses

Subjects offered		Integration and Generation of Knowledge in Sciences	Hypothesis Formulation and Trouble-shooting Techniques and Skills	Communication Skills, Team Working and Leadership	Professionalism and Ethics	Continuous Education	Entrepreneurship
	Subjects	PO1	PO2	PO3	PO4	PO5	PO6
	University subjects (Choose any 3 credits)						
UHAP 6013	Seminar on Global Development, Economic and Social Issues	/	/	/			
UHAZ 6123	Malaysian Society and Culture	/	/	/			
UHAW 6023	Philosophy of Science and Social Development	/		/	/		
UHAZ 6323	Bahasa Malaysia Penulisan Ilmiah	/		/	/		
	3 credits						
MSCF 1813	Research Methodology	/	/	/	/	/	
		1	2	3	4	5	6
	Core Subjects						
MSCF 1113	Quantum Mechanics	/	/	/			
MSCF 1423	Semiconducting bulk materials	/	/	/	/		
MSCF 1143	Electrodynamics	/	/	/			
MSCF 2180	Dissertation	/	/	/	/	/	/
MSCF 2190	Dissertation (part time)	/	/	/	/	/	/
	Elective Subjects (Choose any 6 credits)						
MSCF 1313	Acoustics and Ultrasonic	/	/	/			/
MSCF 1413	Analytical Techniques	/	/	/			
MSCF 1443	Thin Film Physics	/	/	/			/
MSCF 1453	Non Crystalline Solids	/	/	/			
MSCF 1463	Phase Transformations	/	/				

MSCF 1513	Optoelectronics	/	/	/			
MSCF 1123	Elementary particles	/	/	/			
MSCF 1433	Semiconductor devices	/	/		/		