

STUDY PLAN

Programme Name: : Master of Science (Mechanical Engineering)

Programme Code : MKMM

FEBRUARY INTAKE

COURSE	SEMESTER 1	SEMESTER 2	SEMESTER 3	TOTAL CREDIT
University Elective			(Choose 1) UHAZ6123 UHAP6013 UICW6023 ULAM6013	3
Faculty Core				
Programme Core	MKMM 1213 MKMM 1903	MKMM 1223		9
Elective	Choose 3 from List of Elective Courses	Choose 3 from List of Elective Courses		18
Project 1		MKMP1914		4
Project 2			MKMP2926	6
TOTAL CREDIT	15	16	9	40

LIST OF PROGRAMME CORE COURSES

MKMM 1213 ADVANCED ENGINEERING MATHEMATICS
 MKMM 1903 RESEARCH METHODOLOGY
 MKMM 1223 INSTRUMENTATION, MEASUREMENT AND CONTROL
 MKMM 1914 MASTER PROJECT I
 MKMM 2926 MASTER PROJECT II

LIST OF ELECTIVE COURSES

MKMM 1113 COMPUTATIONAL METHOD FOR ENGINEERS
 MKMM 1133 FATIGUE AND FRACTURE MECHANICS
 MKMM 1153 COMPUTATIONAL METHODS IN SOLID MECHANICS
 MKMM 1183 ELASTICITY AND PLASTICITY
 MKMM 2123 PLATES, SHELLS AND PRESSURE VESSELS
 MKMM 2143 ADVANCED MECHANICS OF COMPOSITE STRUCTURES
 MKMM 1543 CAD APPLICATION
 MKMM 1553 OPTIMIZATION IN ENGINEERING DESIGN
 MKMM 2513 ENGINEERING DESIGN
 MKMM 2543 GRAPHICS IN CAD
 MKMM 2553 VIRTUAL REALITY PROGRAMMING FOR ENGINEERS
 MKMM 1233 ACOUSTICS
 MKMM 1243 SYSTEM MODELLING AND SIMULATION
 MKMM 1253 ADVANCED INDUSTRIAL AUTOMATION
 MKMM 1263 CONDITION MONITORING
 MKMM 1283 VIBRATION CONTROL AND INSTRUMENTATION
 MKMM 1293 STRUCTURAL DYNAMICS
 MKMM 2213 ADAPTIVE AND INTELLIGENT CONTROL SYSTEM
 MKMM 2243 ROBOT SYSTEM AND CONTROL
 MKMM 2253 ADVANCED CONTROL ENGINEERING
 MKMM 2283 MECHATRONIC SYSTEM DESIGN
 MKMM 1313 ADVANCED FLUID MECHANICS
 MKMM 1323 COMPRESSIBLE FLOW
 MKMM 1333 COMPUTATIONAL FLUID DYNAMICS (CFD)
 MKMM 1413 ADVANCED ENGINEERING THERMODYNAMICS
 MKMM 1423 ENERGY MANAGEMENT
 MKMM 1433 ADVANCED HEAT TRANSFER
 MKMM 1443 ADVANCED COMBUSTION

MKMM 1453 SUSTAINABLE ENERGY TECHNOLOGY
MKMM 1463 COMPUTATIONAL HEAT TRANSFER
MKMM 2413 THERMO FLUID MEASUREMENT AND DIAGNOSTIC

FREE ELECTIVE STUDENTS ARE ALLOWED TO TAKE A GRADUATE-LEVEL COURSE (3 CREDITS)
FROM ANY OTHER ENGINEERING FACULTY THROUGHOUT THE STUDY DURATION

LIST OF UNIVERSITY COURSES

UHAZ 6123 MALAYSIAN SOCIETY AND CULTURE
UHAP 6013 SEMINAR GLOBAL
UICW 6023 PHILOSOPHY OF SCIENCE AND CIVILIZATION
ULAM 6013 MALAY LANGUAGE FOR POST GRADUATES