

**INSTITUTE OF MATHEMATICAL SCIENCES  
COURSES OFFERED  
SEMESTER I, SESSION 2023/2024**

COURSE CODE	COURSE TITLE
SIM1001 ; SIM1001(1M)  SIX1013	<b>BASIC MATHEMATICS ;</b> Matematik Dasar  <b>FUNDAMENTAL OF ADVANCED MATHEMICS</b> Asas Matematik Lanjutan
SIM1002 SIM1002(1M)	<b>CALCULUS I</b> Kalkulus I
SIM1003 SIM1003(1M)	<b>CALCULUS II</b> Kalkulus II
GIS1016 ; GBS0029 (Kursus SHE)	<b>MATHEMATICAL EXPLORATIONS</b> Eksplorasi Matematik
SIM2001	<b>ADVANCED CALCULUS</b> Kalkulus Lanjutan
SIM2002 SIM2002(1M)	<b>LINEAR ALGEBRA</b> Algebra Linear
SIM2003 ; SIM2013	<b>INTRODUCTION TO COMBINATORICS</b> Pengantar Kombinatorik
SIM2004 ; SIM2014	<b>ALGEBRA I</b> Algebra I
SIM2005 ; SIM2015	<b>INTRODUCTION TO ANALYSIS</b> Pengantar Analisis
SIM2007 (Kursus SULAM)	<b>APPRECIATION OF MATHEMATICS</b> Apresiasi Matematik
SIM3003	<b>NUMBER THEORY</b> Teori Nombor
SIM3006	<b>ALGEBRA II</b> Algebra II
SIM3011	<b>COMPLEX ANALYSIS</b> Analisis Kompleks
SIN1002;  SIM1005	<b>INTRODUCTION TO WORKSHEETS;</b> Pengenalan Lembaran Kerja ;  <b>FUNDAMENTALS OF SPREADSHEETS</b> Asas Lembaran Kerja

COURSE CODE	COURSE TITLE
SIN1003 ; SIM1006 SIM1006(1M)	MATHEMATICAL METHODS I ; Kaedah Matematik I  ORDINARY DIFFERENTIAL EQUATIONS Persamaan Pembezaan Biasa
SIM1004 (K1 & K2)	FUNDAMENTALS OF COMPUTING Asas Pengkomputeran
SIN2001 ; SIM2010	MATHEMATICAL METHODS II ; Kaedah Matematik II  NUMERICAL COMPUTATION Pengiraan Berangka
SIM2011	STRUCTURED PROGRAMMING Pengaturcaraan Berstruktur
SIN2003; SIM2012	BASIC OPERATIONAL RESEARCH ; Asas Penyelidikan Operasi  BASIC OPERATIONAL RESEARCH Asas Penyelidikan Operasi
SIN2004; SIM2018	PARTIAL DIFFERENTIAL EQUATIONS ; Persamaan Pembezaan Separa  PARTIAL DIFFERENTIAL EQUATIONS Persamaan Pembezaan Separa
SIN2005 ; SIM2019	SYSTEM OF ORDINARY DIFFERENTIAL EQUATIONS ; Sistem Persamaan Pembezaan Biasa  SYSTEM OF ORDINARY DIFFERENTIAL EQUATIONS Sistem Persamaan Pembezaan Biasa
SIN2006	VECTOR ANALYSIS Analisis Vektor
SIN3002	CRYPTOGRAPHY Kriptografi
SIN3005 ; SIM3023	NUMERICAL METHODS AND ANALYSIS ; Kaedah dan Analisis Berangka  NUMERICAL METHODS AND ANALYSIS Kaedah dan Analisis Berangka
SIN3011	SCIENTIFIC COMPUTING Komputeran Saintifik
SIN3015; SIM3021	MATHEMATICAL SCIENCE PROJECT Projek Sains Matematik
SIT1001 SIT1001(1M)	PROBABILITY AND STATISTICS I Kebarangkalian dan Statistik I
SIT1002 SIT1002(1M)	STATISTICAL PROGRAMMING Pengaturcaraan Berstatistik

COURSE CODE	COURSE TITLE
SIX1004	STATISTICS Statistik
SIX1016	STATISTICS Statistik
SIT2001	PROBABILITY AND STATISTICS II Kebarangkalian dan Statistik II
SIT2003	STOCHASTIC PROCESSES ; Proses Stokastik
SIT2004	REGRESSION ANALYSIS Analisis Regresi
SIT2007	FOUNDATIONS OF DATA SCIENCE Asas Sains Data
SIT2011 SIT2011(1M) (Kursus SULAM)	STATISTICS AND COMMUNITY Statistik dan Komuniti
SIT3001	INTRODUCTION TO PROBABILITY THEORY Teori Kebarangkalian Pengenalan
SIT3003	COMPUTER INTENSIVE METHODS IN STATISTICS Kaedah Komputeran Intensif Statistik
SIT3005	TIME SERIES AND FORECASTING METHODS Siri Masa Dan Kaedah Peramalan
SIT3010 ; SIT3017	INTRODUCTION TO DATA MINING ; Perlombongan Data Pengenalan  STATISTICAL LEARNING AND DATA MINING Pembelajaran Statistik dan Perlombongan Data
SIT3012	DESIGN AND ANALYSIS OF EXPERIMENTS Reka Bentuk dan Analisis Eksperimen
SIT3016	GENERALIZED LINEAR MODELS Model Linear Teritlak
SIQ2001	MICROECONOMICS Mikroekonomi
SIQ2003	FINANCIAL MATHEMATICS AND DERIVATIVES Matematik Kewangan dan Derivatif
SIQ3001	ACTUARIAL MATHEMATICS I Matematik Aktuari I
SIQ3002	PORTFOLIO THEORY AND ASSET MODELS Teori Portfolio dan Model Aset
SIQ3003	ACTUARIAL MATHEMATICS II Matematik Aktuari II

COURSE CODE	COURSE TITLE
SIQ3005 (K1 & K2)	<b>LIFE INSURANCE AND TAKAFUL</b> Insurans Hayat dan Takaful
SIQ3006	<b>RISK THEORY</b> Teori Risiko
SIQ3008	<b>FOUNDATION OF ISLAMIC FINANCE</b> Asas Kewangan Islam
SIQ3011	<b>BUSINESS FINANCE</b> Kewangan Perniagaan
SIQ3007	<b>INDUSTRIAL TRAINING</b> Latihan Industri