

PUSAT PENGAJIAN SAINS MATEMATIK
SCHOOL OF MATHEMATICAL SCIENCES

KURSUS-KURSUS SEMESTER 1, SIDANG AKADEMIK 2020/2021

PERINGKAT 100		
KOD/NAMA KURSUS	STAF AKADEMIK	CATATAN PRASYARAT KURSUS
MAA101/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Calculus for Science Students I <i>Kalkulus untuk Pelajar Sains I</i>	Dr. Norshafira Ramli	
MAA111/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Algebra for Science Students <i>Aljabar untuk Pelajar Sains</i>	Dr. Nur Nadiah Abd Hamid	
MAA161/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Statistics for Science Students <i>Statistik untuk Pelajar Sains</i>	Prof. Madya Dr. Sek Siok Kun	
MAT100/3 KK :40% P :60% (20% Ujian) (20% Tugasan) Mathematical Foundations <i>Matematik Asas</i>	Dr. Teh Wen Chean	
MAT161/4 KK :40% P :60% 20% Ujian (20% Tugasan) Elementary Statistics <i>Statistik Permulaan</i>	Dr. Nuzlinda Abd. Rahman	
MAT181/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Programming for Scientific Applications <i>Pengaturcaraan untuk Penggunaan Sains</i>	Dr. Ong Wen Eng	
PERINGKAT 200		
KOD/NAMA KURSUS	STAF AKADEMIK	CATATAN PRASYARAT KURSUS
MAT201/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Advanced Calculus <i>Kalkulus Lanjutan</i>	Prof. Madya Dr. Lee See Keong (P) Dr. Norazrizal Aswad	MAT101(S)
MAT223/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Differential Equation I <i>Persamaan Pembezaan I</i>	Dr. Amirah Azmi Prof. Madya Dr. Lee See Keong (P)	MAA101/MAT101(S), MAA111/MAT111(S)
MAT264/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Non-Parametric Statistics <i>Statistik Tak Berparameter</i>	Dr. Fam Pei Shan	MAT161(S)
MSS212/4 KK :40% P :60% (20% Ujian) (20% Tugasan) Further Linear Algebra <i>Aljabar Linear Lanjutan</i>	Dr. Azhana Ahmad	MAT111(S)

PERINGKAT 300			
KOD/NAMA KURSUS		STAF AKADEMIK	CATATAN PRASYARAT KURSUS
MAT323/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Differential Equation II <i>Persamaan Pembezaan II</i>	Prof. Madya Dr. Andrew Rajah	MAT223(S)
MAT363/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Statistical Inference <i>Pentaabiran Statistik</i>	Dr. Chong Zhi Lin	MAT263(S)
MAT382/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Introductory Numerical Methods <i>Pengenalan Kaedah Berangka</i>	Dr. Mohd Shareduwan Mohd Kasihmuddin	MAT181(S)
MSG352/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Linear and Integer Programming <i>Pengaturcaraan Linear dan Integer</i>	Dr. Siti Amirah Abd Rahman	MAT251(S)
MSG368/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Sample Survey and Sampling Techniques <i>Tinjauan Sampel dan Teknik Pensampelan</i>	Puan Noriida Mohd Nor	MSG162(S)
MSG370/4 KK :40% P:60% (20% Ujian) (20% Tugas)	Mathematics of Finance <i>Matematik Kewangan</i>	Dr. Zainudin Arsad	MAT201(S)
MSG381/3 KK :100% (50% Ujian) (20% Tugas) (30% Laporan)	Modelling Laboratory I <i>Makmal Pemodelan I</i>	Dr. Ahmad Lutfi Amri Ramli	MAT181(S)
MSG386/3 KK :100% (100% Tugas)	Operations Research Laboratory <i>Makmal Penyelidikan Operasi</i>	Dr. Siti Amirah Abd Rahman (P) Dr. Noor Saifurina Nana Khurizan Dr. Majid Khan Majahar Ali	MAT251(S)
MSL399/0 KK :100%	Industrial Training <i>Latihan Industri</i>	Dr. Fam Pei Shan	
PERINGKAT 400			
KOD/NAMA KURSUS		STAF AKADEMIK	CATATAN PRASYARAT KURSUS
MSG427/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Environmental Modelling <i>Pemodelan Persekitaran</i>	Prof. Madya Dr. Teh Su Yean	MSG328(S)
MSG453/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Queuing System and Simulation <i>Sistem Giliran dan Simulasi</i>	Dr. Noor Saifurina Nana Khurizan	MAT263(S), MAT181(S)
MSG455/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Game Theory <i>Teori Permainan</i>	Dr. Majid Khan Majahar Ali	MAT251(S)

MSG456/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Mathematical Programming <i>Pengaturcaraan Matematik</i>	Dr. Norhashidah Awang	MAT251(S)
MSG460/3 KK:40% P:60% (20% Ujian) (20% Tugas)	Survival Analysis <i>Analisis Mandiri</i>	Dr. Rosmanjawati Abdul Rahman	-
MSG467/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Time Series Analysis <i>Analisis Siri Masa</i>	Dr. Zainudin Arsad	MSG287(S)
MSG488/4 KK :40% P :60% (20% Ujian) (20% Tugas)	Mathematical Algorithms for Computer Graphics <i>Algoritma Matematik untuk Grafik Komputer</i>	Dr. Kong Voon Pang	MSG384(S)
MSG489/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Numerical Methods for Differential Equations <i>Kaedah Berangka untuk Persamaan Pembezaan</i>	Prof Madya Dr. Saratha Sathasivam	MAT382(S), MAT323(S)
MSG491/6 KK :100% (70% Laporan) (30% Pembentangan)	Project <i>Projek</i>	Dr. Norhashidah Awang dan Sekumpulan Staf	**Untuk pelajar Diploma yang mendapat pengecualian unit.
MSS401/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Complex Analysis <i>Analisis Kompleks</i>	Dr. Shamani Supramaniam	MAT201(S)
MSS414/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Topics in Pure Mathematics <i>Topik-topik dalam Matematik Tulen</i>	Dr. Johnny Lim Khai Yang	MAT202(S) , MSS212 (S) atau dengan kebenaran pensyarah kursus.
MSS415/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Introductory Functional Analysis and Topology <i>Pengantar Analisis Fungsian dan Topologi</i>	Dr. Ng Zhen Chuan	MAT111(S), MAT202(S)
MSS417/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Coding Theory <i>Teori Pengkodan</i>	Prof. Madya Dr. Ang Miin Huey	MSS311(S)
MSS419/4 KK:40% P:60% (20% Ujian) (20% Tugas)	Geometry <i>Geometri</i>	Dr. Md Yushalify Misro	MAT203(S)
MSS482/4 KK :100% (30% Ujian) (30% Tugas) (40% Projek)	Graphing Technology in Mathematics and Science <i>Teknologi Grafik dalam Matematik dan Sains</i>	Dr. Syakila Ahmad Dr. Norazrizal Aswad Abdul Rahman (P)	MAT111(S), MAT263(S) MAT223(S), Dengan kebenaran pensyarah kursus.

PERINGKAT 500

KOD/NAMA KURSUS		STAF AKADEMIK	CATATAN PRASYARAT KURSUS
MAT510/20 KK :100% (80% Laporan) (10% Viva) (10% Pembentangan)	Dissertation <i>Disertasi</i>	Timbalan Dekan (P,S&J) dan Sekumpulan Staf	
MAT514/4 KK:40% P:60% (20% Ujian) (20%Tugasan)	Mathematical Modelling <i>Pemodelan Matematik</i>	Dr. Syakila Ahmad Dr. Mohd Hafiz Mohd (P)	
MAT515/4 KK :100% (50% Tugasan) (30% Projek) (15% Ujian) (5% Kuiz)	Computational Mathematics <i>Matematik Pengiraan</i>	Dr. Yazariah Mohd Yatim	
MAT517/4 KK:40% P:60% (10% Ujian) (30% Tugasan)	Computational Linear Algebra <i>Aljabar Linear Pengkomputeran</i>	Prof. Madya Dr. Noor Atinah Ahmad	
MAT518/4 KK:40% P:60% (20% Ujian) (20% Tugasan)	Numerical Methods for Differential Equations <i>Kaedah Berangka untuk Persamaan Pembezaan</i>	Prof. Madya Dr. Farah Aini Abdullah	
MGM502/4 KK:40% P:60% (15% Ujian) (20% Tugasan) (5% Kuiz)	Number Theory <i>Teori Nombor</i>	Dr. Maisarah Haji Mohd (P) Prof. Dr. Hailiza Kamarulhaili Dr. Siti Noor Farwina Mohamad Anwar Antony	
MGM503/4 KK:40% P:60% (20% Ujian) (20% Tugasan)	Combinatorics <i>Kombinatorik</i>	Dr. Hajar Sulaiman	
MGM561/4 KK:40% P:60% (10% Ujian) (20% Tugasan) (10% Kuiz)	Statistical Method for Research <i>Kaedah Statistik untuk Penyelidikan</i>	Dr. Shamsul Rijal Muhammad Sabri	
MGM599/8 KK :100% (60% Laporan) (40% Pembentangan)	Project <i>Projek</i>	Timbalan Dekan (P,S&J) dan Sekumpulan Staf	
MST561/4 KK:40% P:60% (20% Ujian/Kuiz) (20% Tugasan)	Statistical Inference <i>Pentaabiran Statistik</i>	Prof. Dr. Michael Khoo Boon Chong	
MST562/4 KK:40% P:60% (20% Ujian/Kuiz) (20% Tugasan)	Stochastic Processes <i>Proses Stokastik</i>	Prof. Madya Dr. Husna Hasan	
MST564/4 KK:40% P:60% (20% Ujian) (20% Tugasan)	Statistical Reliability <i>Kebolehpercayaan Statistik</i>	Dr. Fam Pei Shan	

MST566/20 KK :100% (20% Seminar/Viva) (80% Disertasi)	Dissertation <i>Disertasi</i>	Timbalan Dekan (P,S&J) dan Sekumpulan Staf	
MST567/4 KK:40% P:60% (15% Ujian) (25% Tugas)	Categorical Data Analysis <i>Analisis Data Berkategori</i>	Prof. Madya Dr. Mohd Tahir Ismail	
PMC561/3 KK:40% P:60% (20% Projek) (20% Tugas)	Theories of Teaching and Learning Mathematics <i>Teori Pengajaran dan Pembelajaran</i>	Staf Pusat Pengajian Ilmu Pendidikan	