

SENARAI KURSUS-KURSUS **IJAZAH SARJANA MUDA** YANG DITAWARKAN UNTUK SEMESTER I
SIDANG AKADEMIK 2026/2027

BIL	KOD DAN NAMA KURSUS (Course Code and Name)			PRA SYARAT (Pre-requisite)	TENAGA PENGAJAR (Lecturer)
TAHUN 1 (1ST YEAR)					
1	ZCA 101/4	MEKANIK	MECHANICS		DR. NURHAFIZAH MD DISA
2	ZCT 103/3	GETARAN GELOMBANG DAN OPTIK	VIBRATIONS, WAVES AND OPTICS		DR. MUHAMMAD RABIE OMAR DR. NUR NABIHAH YUSOF
3	ZCA 110/4	KALKULUS	CALCULUS		PROF. MADYA DR. YOON TIEM LEONG
4	ZGT 171/3	FIZIKAL GEOLOGI DAN HIDROGEOLOGI	PHYSICAL GEOLOGY AND HYDROGEOLOGY	(C) ZCA101/4	DR. TEOH YING JIA
5	ZCT 191/2	AMALI FIZIK I	PHYSICS PRACTICAL I		PROF. MADYA DR. YOON TIEM LEONG / KUMPULAN
TAHUN 2 (2ND YEAR)					
1	ZCT 206/3	ELEKTRONIK II	ELECTRONICS II	(S) ZCT106/3	DR. MOHD FAREEZUAN ABDUL AZIZ DR. AFIQ ARIF AMINUDDIN JAFRY
2	ZCT 210/4	ANALISIS KOMPLEKS DAN PERSAMAAN PEMBEZAAN	COMPLEX ANALYSIS AND DIFFERENTIAL EQUATIONS	(S) ZCA110/4 OR (S) MAA101/4	DR. WAN MOHAMAD HUSNI WAN MOKHTAR DR. MUHAMMAD RABIE OMAR
3	ZCT 214/3	TERMODINAMIK	THERMODYNAMICS	(S) ZCA102/4	DR. LOH WAI MING DR. AFIQ ARIF AMINUDDIN JAFRY
4	ZCT 215/3	OPTIK	OPTICS	(S) ZCT103/3	DR. BEH KHI POAY
5	ZGT 276/3	GEOFIZIK BUMI PEPEJAL	SOLID EARTH GEOPHYSICS	(S) ZGT172/3	DR. MUHAMMAD SABIU BALA
6	ZGT 278/3	GEOFIZIK PENCARIGALIAN SISMIK	SIESMIC EXPLORATION GEOPHYSICS	(C) ZGT276/3	DR. NUR AZWIN ISMAIL
7	ZGT 285/3	PENGHANTAR METEOROLOGI	INTRODUCTION TO METEOROLOGY	(C) ZGT276/3	DR. NORHASLINDA MOHAMED TAHRIN
8	ZCE 275/4	PENGANTAR ASTRONOMI	INTRODUCTION TO ASTRONOMY		DR. IDAHWATI SARUDIN
9	ZAE 282/3	SAINS BAHAN	MATERIAL SCIENCE		DR. AHMAD RUJHAN MOHD RAIS
10	ZCT 293/2	AMALI FIZIK III	PHYSICS PRACTICAL III	(S) ZCT191/2 OR (S) ZCT192/2	DR. WONG KHAI MING / KUMPULAN
11	ZGT 295/4	GEOFIZIK AMALI (Dua Semester)	GEOPHYSICS PRACTICAL (Two Semesters)	(S) ZGT190/2	DR. NUR AZWIN ISMAIL / KUMPULAN
TAHUN 3 (3RD YEAR)					
1	ZCE 305/3	FIZIK ATOM DAN FIZIK NUKLEAR	ATOMIC AND NUCLEAR PHYSICS	(S) ZCT205/3	DR. MUHAMMAD RABIE OMAR
2	ZCT 307/3	FIZIK KEADAAN PEPEJAL I	SOLID STATE PHYSICS I	(S) ZCT205/3	PROF. MADYA DR. QUAH CHING KHENG DR. ABDUL HADI BIN SULAIMAN
3	ZCT 314/3	MEKANIK STATISTIK	STATISTICAL MECHANICS	(S) ZCT214/3	DR. WONG KHAI MING
4	ZCE 321/3	JURUTERA DALAM MASYARAKAT	THE ENGINEER IN SOCIETY		PROF. MADYA DR. AHMAD FAIRUZ OMAR
5	ZKT 327/3	PENCAHAYAAN KEADAAN PEPEJAL	SOLID STATE LIGHTING	(C) ZCT307/3	PROF. MADYA DR. YAM FONG KWONG DR. ABDUL HADI BIN SULAIMAN
6	ZMT 333/3	PERUBATAN NUKLEAR	NUCLEAR MEDICINE	(S) ZCT104/3	DR. NIK NOOR ASHKIN NIK ABD RAZAK
7	ZME 336/4	INSTRUMENTASI PERUBATAN	MEDICAL INSTRUMENTATION	(S) ZCT106/3	DR YASMIN MD. RADZI DR. NURUL HASHIKIN AB. AZIZ
8	ZGT 372/3	PENGANTAR OSEANOGRAFI	INTRODUCTION TO OCEANOGRAPHY	(S) ZCA101/4 OR (S) ZGT172/3	DR. SYARAWI MUHAMMAD HUSNI MOHD SHARONI
9	ZGT 374/4	PENDERIAAN JAUH	REMOTE SENSING	(S) ZCA102/4 AND (S) ZCA103/3	PROF. MADYA DR. LIM HWEE SAN DR. ISMAIL AHMAD ABIR
10	ZCE 376/4	PRINSIP DAN AMALAN ASTRONOMI (Minor Astronomy)	ASTRONOMY PRINCIPLES AND PRACTICES		DR. JOHN SOO YUE HAN
11	ZCT 398/8	PROJEK FIZIK (Dua Semester)	PHYSICS PROJECT (Two Semesters)	(S) ZCT293/2 (ES) OR	PROF. MADYA DR. QUAH CHING KHENG / KUMPULAN
12	ZGT 395/8	PROJEK GEOFIZIK (Dua Semester)	GEOPHYSICS PROJECT (Two Semesters)	(S) ZGT295/4	DR. NUR AZWIN ISMAIL / KUMPULAN
13	ZMT 397/8	PROJEK FIZIK PERUBATAN (Dua Semester)	MEDICAL PHYSICS PROJECT (Two Semesters)	(S) MAT181/4 OR	DR. RAMZUN MAIZAN RAMLI / KUMPULAN
TAHUN 4 (4TH YEAR)					
1	ZCE 401/4	MEKANIK KUANTUM II	QUANTUM MECHANICS II	(S) ZCT 104 AND (S) ZCT 205	DR. LOH WAI MING
2	ZMT 431/4	BIOFIZIK SINARAN	RADIATION BIOPHYSICS	(S) ZCT104/3	DR. RAMZUN MAIZAN RAMLI
3	ZME 438/4	FIZIK PENGIMEJAN PERUBATAN	PHYSICS OF MEDICAL IMAGING	(S) ZCT106/3	PROF. MADYA DR. NURSAKINAH SUARDI
4	ZCE 451/3	ANALISIS SINAR-X	X-RAY ANALYSIS	(C) ZCT307/3	PROF. MADYA DR. SUHANA ARSHAD
5	ZGE 471/3	PENTAFSIRAN MEDAN KEUPAYAAN	POTENTIAL FIELD INTERPRETATION	(S) ZGT279/3	PROF. MADYA DR. NORDIANA MOHD MUZTAZA
6	ZGE 473/4	PEMROSESAN DATA SEISMIK	SEISMIC DATA PROCESSING	(S) ZGT278/3 AND (S) ZGT271/3	DR. JOSEPH GNAPRAGASAN
7	ZGE 475/3	GEOFIZIK KEJURUTERAAN DAN PERSEKITARAN	ENGINEERING AND ENVIRONMENTAL GEOPHYSICS	(S) ZGT278/3	PROF. MADYA DR. ANDY ANDERSON BERY
8	ZAE 485/4	SPEKTROSKOPI GUNAAN	APPLIED SPECTROSCOPY	(S) ZCT215/3	PROF. MADYA DR. MOHD MAHADI HALIM PROF. MADYA DR. WAN MARYAM WAN AHMAD KAMIL
9	ZGE 487/4	OSEANOGRAFI FIZIKAL DAN GEOLOGIKAL	PHYSICAL AND GEOLOGICAL OCEANOGRAPHY	(S) ZGT372/3	DR. SYARAWI MUHAMMAD HUSNI MOHD SHARONI
10	ZAT 487/4	PROSES FABRIKASI SEMIKONDUKTOR	SEMICONDUCTOR FABRICATION PROCESSES	(S) ZAT386/4	DR. MOHD MARZAINI MOHD RASHID PROF. MADYA TS. DR. MOHD ZAMIR PAKHURUDDIN
11	ZAT 489/3	STRUKTUR SEMIKONDUKTOR DIMENSI RENDAH	LOW DIMENSIONAL SEMICONDUCTOR STRUCTURES	(S) ZCT307/3	DR. MOHD FAREEZUAN ABDUL AZIZ

LAIN-LAIN KURSUS					
BIL	KOD DAN NAMA KURSUS (Course Code and Name)			TENAGA PENGAJAR (Lecturer)	
1	HFF 225/2	FALSAFAH DAN ISU SEMASA	PHILOSOPHY AND CURRENT ISSUES	DR. IDAHWATI SARUDIN	
2	HFF 226/2	TEKNIK BERFIKIR	THINGKING TECHNIQUES	DR. DIAN ALWANI ZAINURI	

Pre-requisite Notes:

P : Pass (Grade C and above)
S : Sequential (course must be taken earlier)
C : Concurrent (course must be taken concurrently)