

CADANGAN SENARAI KURSUS-KURSUS **IJAZAH SARJANA MUDA** YANG DITAWARKAN UNTUK SEMESTER II
SIDANG AKADEMIK 2025/2026

BIL	KOD DAN NAMA KURSUS (Course Code and Name)			PRA SYARAT (Pre-requisite)	TENAGA PENGAJAR (Lecturer)
TAHUN 1 (1ST YEAR)					
1	ZCA 102/4	FIZIK II (KEELEKTRIKAN DAN KEMAGNETAN)	PHYSICS II (ELECTRICITY AND MAGNETISM)		PROF. MADYA DR. YOON TIEM LEONG DR. NUR NABIHAH YUSOF
2	ZCT 104/3	FIZIK IV (FIZIK MODEN)	PHYSICS IV (MODERN PHYSICS)		PROF. MADYA DR. NURUL ZAHIRAH NOOR AZMAN PROF. MADYA DR. SUHANA ARSHAD
3	ZCT 106/3	ELEKTRONIK I	ELECTRONICS I	(C) ZCA102/4	DR. MOHD FAREEZUAN ABDUL AZIZ
4	ZCE 111/4	PENDEKATAN PENGKOMPUTERAN DALAM PEMBELAJARAN FIZIK	COMPUTATIONAL APPROACH IN PHYSICS LEARNING		PROF. MADYA DR. YOON TIEM LEONG DR. MUHAMMAD RABIE OMAR
5	ZCT 112/3	ALJABAR LINEAR DAN ANALISIS VEKTOR	LINEAR ALGEBRA AND VECTOR ANALYSIS	(S) ZCA110/4 OR (S) MAA101/4	DR. MUHAMMAD RABIE OMAR
6	ZGT 172/3	SEDIMENTOLOGI DAN STRATIGRAFI	SEDIMENTOLOGY AND STRATIGRAPHY	(S) ZGT171/3	DR. TEOH YING JIA DR. JOSEPH GNAPRAGASAN
7	ZGT 190/2	AMALI GEOLOGI	GEOLOGY PRACTICAL	(S) ZGT171/3	DR. TEOH YING JIA
8	ZCT 192/2	AMALI FIZIK II	PHYSICS PRACTICAL II		PROF. MADYA DR. YOON TIEM LEONG / KUMPULAN
TAHUN 2 (2ND YEAR)					
1	ZCT 205/3	MEKANIK KUANTUM	QUANTUM MECHANICS	(S) ZCT104/3	DR. LOH WAI MING PROF. MADYA DR. ISKANDAR SHAHRIM MUSTAFA
2	ZCE 208/3	MEKANIK KLASIK	CLASSICAL MECHANICS	(P) ZCA101/4 AND (P) ZCA110/4 AND (S) ZCT112/3 AND (S) ZCT210/4	DR. WONG KHAI MING DR. LOH WAI MING
3	ZCT 219/4	KAEDAH MATEMATIK	MATHEMATICAL METHODS	(S) ZCT112/3 AND (S) ZCT210/4	DR. WAN MOHAMAD HUSNI WAN MOKHTAR DR. AHMAD RUJHAN MOHD RAIS
4	ZKT 224/3	BAHAN FOTONIK DAN ELEKTRONIK	ELECTRONIC AND PHOTONIC MATERIALS	(S) ZCT106/3 AND (S) ZCT210/4	DR. SUBRAMANI SHANMUGAN DR. DIAN ALWANI ZAINURI
5	ZMT 231/4	FISIOLOGI DAN ANATOMI MANUSIA	HUMAN ANATOMY AND PHYSIOLOGY		DR. RAMZUN MAIZAN RAMLI DR. YASMIN MD RADZI
6	ZMT 234/4	FIZIK RADIOLOGI DIAGNOSTIK	PHYSICS OF DIAGNOSTIC RADIOLOGY	(S) ZCT104/3	DR. NURUL HASHIKIN AB. AZIZ
7	ZKT 244/4	LATIHAN BENGKEL DAN REKA BENTUK PRODUK	WORKSHOP TRAINING AND PRODUCT DESIGN	(S) ZCT192/2	DR. BEH KHI POAY DR. AFIQ ARIF AMINUDDIN JAFRY
8	ZKT 245/3	GENTIAN OPTIK DAN PERANTI FOTONIK	OPTICAL FIBER AND PHOTONIC DEVICES	(S) ZCT106/3 AND (S) ZCT215/3	DR. MAHAYATUN DAYANA JOHAN OOI DR. AFIQ ARIF AMINUDDIN JAFRY
9	ZGT 271/3	ANALISIS DATA GEOFIZIK	GEOPHYSICAL DATA ANALYSIS	(S) ZCT210/4	PROF. MADYA DR. ANDY ANDERSON BERY
10	ZCE 277/4	STRUKTUR ALAM SEMESTA	STRUCTURE OF THE UNIVERSE		DR. IDAHWATI SARUDIN
11	ZGT 279/3	GEOFIZIK PENCARIGALIAN MEDAN KEUPAYAAN	POTENTIAL FIELD EXPLORATION GEOPHYSICS	(C) ZGT287/3	DR. NUR AZWIN ISMAIL DR. MUHAMMAD SABIU BALA (TBC)
12	ZAT 281/4	PENGANTAR MIKROPEMROSES	INTRODUCTION TO MICROPROCESSORS	(P) ZCT206/3	PROF. MADYA DR. AHMAD FAIRUZ OMAR
13	ZAT 283/3	INSTRUMENTASI	INSTRUMENTATION	(S) ZCT206/3 AND (S) ZCT293/2	DR. SITI AZRAH MOHAMAD SAMSURI
14	ZGT 287/3	SISTEM SOLAR DAN GEOFIZIK BUMI	SOLAR SYSTEM AND EARTH GEOPHYSICS	(S) ZGT172/3	PROF. MADYA DR. NORDIANA MOHD MUZTAZA
15	ZCT 294/2	AMALI FIZIK IV	PHYSICS PRACTICAL IV	(S) ZCT191/2 OR (S) ZCT192/2	DR. WONG KHAI MING / KUMPULAN
16	ZGT 295/4	AMALI GEOFIZIK (Dua Semester)	GEOPHYSICS PRACTICAL (Two Semesters)	(S) ZGT190/2	DR. NUR AZWIN ISMAIL / KUMPULAN
17	ZKT 298/2	MAKMAL FOTONIK	PHOTONICS LABORATORY	(S) ZCT293/2	DR. BEH KHI POAY / KUMPULAN
18	ZMT 298/2	AMALI FIZIK PERUBATAN	MEDICAL PHYSICS PRACTICAL		DR. RAMZUN MAIZAN RAMLI / KUMPULAN
TAHUN 3 (3RD YEAR)					
1	ZCT 304/3	KEELEKTRIKAN DAN KEMAGNETAN	ELECTRICITY AND MAGNETISM	(P) ZCA102/4 AND (S) ZCT112/3 AND (S) ZCT210/4	DR. WONG KHAI MING
2	ZCT 317/3	FIZIK KEADAAN PEPEJAL II	SOLID STATE PHYSICS II	(S) ZCT307/3	PROF. MADYA DR. QUAH CHING KHENG DR. ABDUL HADI SULAIMAN
3	ZMT 332/3	FIZIK RADIOTERAPI	PHYSICS OF RADIOTHERAPY	(S) ZCT104/3	DR. NORLAILI AHMAD KABIR DR. NURUL HASHIKIN AB. AZIZ
4	ZCE 341/4	KAJIAN TENAGA	ENERGY STUDIES	(S) ZCA101/4 AND (S) ZCA102/4	DR. NURHAFIZAH MD DISA
5	ZGE 364/3	METEOROLOGI TROPIKA DAN RAMALAN	TROPICAL METEOROLOGY AND FORECASTING	(S) ZGT285/3	PROF. MADYA DR. LIM HWEE SAN DR. NORHASLINDA MOHAMED TAHRIN
6	ZCE 378/4	ASTRONOMI RADIO	RADIO ASTRONOMY		DR. JOHN SOO YUE HAN
7	ZAT 386/4	FIZIK PERANTI SEMIKONDUKTOR	PHYSICS OF SEMICONDUCTOR DEVICES	(S) ZCT106/3 AND (S) ZCT307/3	PROF. MADYA DR. YAM FONG KWONG PROF. MADYA TS. DR. WAN MARYAM WAN AHMAD KAMIL
8	ZCT 398/8	PROJEK FIZIK (Dua Semester)	PHYSICS PROJECT (Two Semesters)	(S) ZCT293/2 (ES) OR (S) ZCT294/2 (PP) OR (S) ZKT296/2 (OP)	PROF. MADYA DR. QUAH CHING KHENG / KUMPULAN
9	ZGT 395/8	PROJEK GEOFIZIK (Dua Semester)	GEOPHYSICS PROJECT (Two Semesters)	(S) ZGT295/4	DR. NUR AZWIN ISMAIL / KUMPULAN
10	ZMT 397/8	PROJEK FIZIK PERUBATAN (Dua Semester)	MEDICAL PHYSICS PROJECT (Two Semesters)	(S) MAT181/4 OR (S) ZCE111/4 AND (S) ZMT298/2	DR. RAMZUN MAIZAN RAMLI / KUMPULAN
TAHUN 4 (4TH YEAR)					
1	ZME 432/4	LASER PERUBATAN	MEDICAL LASER	(S) ZCT104/3	PROF. MADYA DR. NURSAKINAH SHAJDI PROF. MADYA DR. ISKANDAR SHAHRIM MUSTAFA
2	ZGE 480/4	METEOROLOGI SINOPTIK	SYNOPTIC METEOROLOGY	(S) ZGT285/3 AND (S) ZGT271/3	DR. SYA'RAWI MUHAMMAD HUSNI MOHD SHARONI
3	ZGE 481/3	GEOLOGI PETROLEUM	PETROLEUM GEOLOGY	(S) ZGT172/3	DR. ISMAIL AHMAD ABIR
4	ZAE 484/4	TEKNOLOGI LASER DAN APLIKASINYA	LASER TECHNOLOGY AND ITS APPLICATION	(S) ZCT104/3	DR. MOHAMMED ALI DHEYAB DR. NUR NABIHAH YUSOF
5	ZAE 488/4	PENGUJIAN TAK MEMBINASA	NON-DESTRUCTIVE TESTING	(S) ZCT104/3	PROF. MADYA DR. AZHAR ABDUL RAHMAN PROF. DR. ABDUL RAZAK IBRAHIM
6	ZCE 499/12	LATIHAN INDUSTRI	INDUSTRIAL TRAINING	(S) ZCT398/8 OR (S) ZMT397/8 OR (S) ZGT395/8	PROF. MADYA DR. MOHD MAHADI HALIM PROF. MADYA DR. QUAH CHING KHENG DR. NUR AZWIN ISMAIL DR. RAMZUN MAIZAN RAMLI
LAIN-LAIN KURSUS					
BIL	KOD DAN NAMA KURSUS (Course Code and Name)			TENAGA PENGAJAR (Lecturer)	
1	SHE 101/2	HUBUNGAN ETNIK	ETHNIC RELATIONS	DR. JOHN SOO YUE HAN	
2	HFE 224/2	PENGHAYATAN ETIKA DAN PERADABAN	APPRECIATION OF ETHICS AND CIVILISATIONS	DR. IDAHWATI SARUDIN	
3	HTV 201/2	TEKNIK BERFIKIR	THINKING 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)