

SENARAI KURSUS-KURSUS IJAZAH SARJANA MUDA YANG DITAWARKAN UNTUK SEMESTER I, SIDANG AKADEMIK 2020/2021

BIL	KOD DAN TAJUK KURSUS			PRASYARAT KURSUS	TENAGA PENGAJAR
TAHUN 1 (1ST YEAR)					
1	ZCA 101/4	PHYSICS I (MECHANICS)	FIZIK I (MEKANIK)	-	PROF. MADYA DR. NURHAYATI ABDULLAH DR. NURHAFIZAH MD DISA
2	ZCT 103/3	PHYSICS III (VIBRATIONS, WAVES AND OPTICS)	FIZIK III (GETARAN GELOMBANG DAN OPTIK)	-	DR. MOHD. MAHADI HALIM DR. SITI AZRAH MOHAMAD SAMSURI
3	ZCA 110/4*	CALCULUS	KALKULUS	-	DR. WAN MOHAMAD HUSNI WAN MOKHTAR
4	ZGT 161/3	GEOLOGY 1	GEOLOGI I	(C) ZCA 101/4	DR. TEOH YING JIA
5	ZCT 191/2	PHYSICS PRACTICAL I	AMALI FIZIK I	-	PROF. MADYA DR. LIM SIEW CHOO / KUMPULAN
TAHUN 2 (2ND YEAR)					
1	ZCT 206/3	ELECTRONICS II	ELEKTRONIK II	(S) ZCT 106/3	PROF. MADYA DR. SHAHROM MAHMUD
2	ZCT 210/4	COMPLEX ANALYSIS AND DIFFERENTIAL EQUATIONS	ANALISIS KOMPLEKS DAN PERSAMAAN PEMBEZAAN	(S) ZCA 110/4 or (S) MAA 101/4	DR. NORHASLINDA MOHAMED TAHRIN
3	ZCT 214/3	THERMODYNAMICS	TERMODINAMIK	(S) ZCA 102/4	DR. LOH WAI MING
4	ZCT 215/3	OPTICS	OPTIK	(P) ZCT 103/3	DR. BEH KHI POAY
5	ZGT 265/3	METEOROLOGY 1	METEOROLOGI 1	(C) ZGT 266/3	DR. NUR AZWIN ISMAIL
6	ZGT 266/3	SOLID EARTH GEOPHYSICS I	GEOFIZIK BUMI PEPEJAL I	(S) ZGT 162/3	DR. NORDIANA MOHD MUZTAZA
7	ZGT 268/3	EXPLORATION GEOPHYSICS I	GEOFIZIK PENCARIGALIAN I	(C) ZGT 266/3	DR. NUR AZWIN ISMAIL
8	ZCE 275/4	INTRODUCTION TO ASTRONOMY	PENGANTAR ASTRONOMI	-	DR. JOHN SOO YUE HAN
9	ZAE 282/3	MATERIAL SCIENCE	SAINS BAHAN	(C) ZCT 214/3	PROF. MADYA DR. ISKANDAR SHAHRIM MUSTAFA
10	ZCT 293/2	PHYSICS PRACTICAL III	AMALI FIZIK III	(S) ZCT 191/2 or (S) ZCT 192/2	DR. BEH KHI POAY
11	ZGT 295/4	GEOPHYSICS PRACTICAL (Two Semesters)	GEOFIZIK AMALI (Dua Semester)	(S) ZGT 190/2	DR. NORDIANA MOHD MUZTAZA / KUMPULAN
12	ZKT 297/3	PRACTICAL TRAINING	LATIHAN PRAKTIK	(S) ZCT 192/2	PROF. MADYA DR. WONG CHOW JENG

TAHUN 3 (3RD YEAR)					
1	ZCE 305/3	ATOMIC AND NUCLEAR PHYSICS	FIZIK ATOM DAN FIZIK NUKLEAR	(S) ZCT 205/3	DR. WONG KHAI MING
2	ZCT 307/3	SOLID STATE PHYSICS I	FIZIK KEADAAN PEPEJAL I	(S) ZCT 205/3	PROF. MADYA DR. QUAH CHING KHENG DR. SUHANA ARSHAD
3	ZCT 314/3	STATISTICAL MECHANICS	MEKANIK STATISTIK	(S) ZCT 214/3	PROF. MADYA DR. LIM SIEW CHOO
4	ZKT 321/3	THE ENGINEER IN SOCIETY	JURUTERA DALAM MASYARAKAT	-	DR. AHMAD FAIRUZ OMAR
5	ZKE 322/3	ELECTRONIC AND PHOTONIC MATERIALS II	BAHAN ELEKTRONIK DAN FOTONIK II	(S) ZKT 224/4	DR. MAHAYATUN DAYANA JOHAN OOI
6	ZKE 323/3	ELECTRONIC AND PHOTONIC DEVICES AND SYSTEMS	PERANTI DAN SISTEM ELEKTRONIK DAN FOTONIK	(S) ZCT 106/3 and (S) ZCT 215/3	PROF. DR. MOHD. ZUBIR MAT JAFRI
7	ZKE 327/3	SOLID STATE LIGHTING I	PENCAHAYAAN KEADAAN PEPEJAL I	(C) ZCT 307/3	PROF. MADYA DR. YAM FONG KWONG
8	ZME 336/4	MEDICAL INSTRUMENTATION	INSTRUMENTASI PERUBATAN	(S) ZCT 106/3	DR. NIK NOOR ASHIKIN NIK ABD RAZAK
9	ZGE 370/3	METEOROLOGY II	METEOROLOGI II	(S) ZGT 265/3 and (S) ZGT 271/3	DR. ANDY ANDERSON ANAK BERY
10	ZGT 372/3	INTRODUCTION TO OCEANOGRAPHY	PENGANTAR OSEANOGRAFI	(S) ZCA 101/4 and (S) ZGT 162/3	DR. MD. NOORDIN ABU BAKAR
11	ZGT 374/4	REMOTE SENSING	PENDERIAAN JAUH	(S) ZCA 102/4 and (S) ZCT 103/3	PROF. MADYA DR. LIM HWEE SAN
12	ZCE 376/4	ASTRONOMY PRINCIPLES AND PRACTICES	PRINSIP DAN AMALAN ASTRONOMI (Minor Astronomy)	-	PROF. MADYA DR. ABDUL HALIM ABDUL AZIZ
13	ZCT 390/8	PURE PHYSICS PROJECT (Two Semesters)	PROJEK FIZIK TULEN (Dua Semester)	(S) ZCT 294/2	PROF. DR. ABDUL RAZAK IBRAHIM / KUMPULAN
14	ZAT 394/8	APPLIED PHYSICS PROJECT (Two Semesters)	PROJEK FIZIK GUNAAN (Dua Semester)	(P) ZCT 293/2	DR. MOHD MAHADI HALIM / KUMPULAN
15	ZGT 395/8	GEOPHYSICS PROJECT (Two Semesters)	PROJEK GEOFIZIK (Dua Semester)	(S) ZGT 295/4	DR. NORDIANA MOHD MUZTAZA / KUMPULAN
16	ZKT 396/8	ENGINEERING PHYSICS PROJECT (Two Semesters)	PROJEK FIZIK KEJURUTERAAN (Dua Semester)	(S) ZKT 296/2	PROF. MADYA DR. YAM FONG KWONG / KUMPULAN
17	ZMT 397/8	MEDICAL PHYSICS PROJECT (Two Semesters)	PROJEK FIZIK PERUBATAN (Dua Semester)	(S) MAT 181/4 or (S) ZCE 111/4 and (S) ZMT 298/2	DR. NURSAKINAH SUARDI / KUMPULAN
TAHUN 4 (4RD YEAR)					
1	ZCE 431/4	RADIATION BIOPHYSICS	BIOFIZIK SINARAN	(S) ZCT 104/3	DR. NURSAKINAH SUARDI DR. NIK NOOR ASHIKIN NIK ABD RAZAK
2	ZME 438/4	PHYSICS OF MEDICAL IMAGING	FIZIK PENGIMEJAN PERUBATAN	(S) ZCT 106/3	PROF. DR. MOHD. ZUBIR MAT JAFRI DR. RAMZUN MAIZAN RAMLI
3	ZCE 451/3	X-RAY ANALYSIS	ANALISIS SINAR-X	(C) ZCT 307/3	PROF. MADYA DR. QUAH CHING KHENG DR. SUHANA ARSHAD
4	ZGE 471/3	POTENTIAL FIELD INTERPRETATION	PENTAFSIRAN MEDAN KEUPAYAAN	(S) ZGT 269/3	DR. NORDIANA MOHD MUZTAZA
5	ZGE 473/4	SEISMIC DATA PROCESSING	PEMROSESAN DATA SEISMIK	(S) ZGT 268/3 and (S) ZGT 271/3	DR. YASIR BASHIR
6	ZGE 475/3	ENGINEERING AND ENVIRONMENTAL GEOPHYSICS	GEOFIZIK KEJURUTERAAN DAN PERSEKITARAN	(S) ZGT 268/3	PROF. DR. ROSLI SAAD
7	ZGE 477/3	PHYSICS OCEANOGRAPHY	OSEANOGRAFI FIZIK	(S) ZGT 372/3	DR. MD. NOORDIN ABU BAKAR
8	ZAE 485/4	APPLIED SPECTROSCOPY	SPEKTROSKOPI GUNAAN	(S) ZAT 283/2	DR. WAN MARYAM WAN AHMAD KAMIL
9	ZAT 487/4	SEMICONDUCTOR FABRICATION PROCESSES	PROSES FABRIKASI SEMIKONDUKTOR	(S) ZAT 386/4	DR. MOHD ZAMIR PAKHURUDDIN
10	ZAT 489/3	LOW DIMENSIONAL SEMICONDUCTOR STRUCTURES	STRUKTUR SEMIKONDUKTOR DIMENSI RENDAH	(C) ZCT 307/3	DR. MOHD MARZAINI MOHD RASHID
HTV 201	TEKNIK BERFIKIR		(PENYELARAS)		DR. SITI AZRAH MOHAMAD SAMSURI DR. RAMZUN MAIZAN RAMLI DR. JOHN SOO YUE HAN DR. ANDY ANDERSON ANAK BERY
WUS 101/2	TERAS KEUSAHAWANAN		(PENYELARAS)		DR. NURUL HASHIKIN AB. AZIZ DR. YASMIN MD RADZI

*The course content of ZCA 110/4 overlaps with Mathematics course MAA 101/4 Calculus for Science Students I. Students can only register either ZCA 110/4 or MAA 101/4.

PETUNJUK PRA SYARAT :

(P) - Pass / Lulus - Grade C and above (Perlu lulus kursus PRA SYARAT dalam semester sebelumnya)

(S) - Sequential / Ambil - Course must be taken earlier (Kursus PRA SYARAT yang telah diambil dalam semester sebelumnya)

(C) - Concurrent / Bersama - Course must be taken concurrently (Perlu ambil kursus PRA SYARAT bersama-sama dengan kursus yang ditawarkan)

SENARAI KURSUS-KURSUS IJAZAH SARJANA YANG DITAWARKAN UNTUK SEMESTER I, SIDANG AKADEMIK 2020/2021

BIL	KOD DAN TAJUK KURSUS			TENAGA PENGAJAR
MSc MEDICAL PHYSICS (COURSE WORK) [FIZIK PERUBATAN (KERJA KURSUS)]				
1	ZCT 531/4	ANATOMY AND PHYSIOLOGY	ANATOMI DAN FISILOGI MANUSIA	DR. NURSAKINAH SUARDI DR. NURUL HASHIKIN AB. AZIZ
2	ZCT 532/4	RADIATION PHYSICS	FIZIK SINARAN	DR. NASER MAHMOUD AHMED
3	ZCT 533/4	DOSIMETRY AND RADIATION PROTECTION	DOSIMETRI DAN PERLINDUNGAN SINARAN	DR. NURUL ZAHIRAH NOOR AZMAN
4	ZCT 534/4	PHYSICS DIAGNOSTIC RADIOLOGY	FIZIK RADIOLOGI DIAGNOSIS	DR. NORLAILI AHMAD KABIR
5	ZCT 596/4	MEDICAL PHYSICS PRACTICAL I	AMALI FIZIK PERUBATAN I	DR. NURSAKINAH SUARDI / KUMPULAN
MSc RADIATION SCIENCE (MIXED MODE) [SAINS SINARAN (MOD CAMPURAN)]				
1	ZCT 551/4	RADIATION PROTECTION I	PERLINDUNGAN SINARAN I	PROF. MADYA DR. AZHAR ABDUL RAHMAN
2	ZCT 552/4	RADIATION PROTECTION II	PERLINDUNGAN SINARAN II	DR. YASMIN MD RADZI
3	ZCT 599/4	PRACTICAL	AMALI	DR. NURSAKINAH SUARDI / KUMPULAN
MSc SOLID STATE PHYSICS (COURSE WORK) [FIZIK KEADAAN PEPEJAL (KERJA KURSUS)]				
1	ZCC 541/4	SOLID STATE PHYSICS THEORY	TEORI FIZIK KEADAAN PEPEJAL	DR. MOHD MARZAINI MOHD RASHID
2	ZCC 542/4	PHYSICS OF COMPLIMENTARY MATERIALS	FIZIK BAHAN PELENGKAP	DR. SUBRAMANI SHANMUGAN DR. MAHAYATUN DAYANA JOHAN OOI
3	ZCC 543/4	SEMICONDUCTOR PHYSICS	FIZIK SEMIKONDUKTOR	DR. WAN MARYAM WAN AHMAD KAMIL
4	ZSC 548/4	X-RAY STRUCTURE ANALYSIS	ANALISIS STRUKTUR MELALUI KAEDAH SINAR-X	PROF. DR. ABDUL RAZAK IBRAHIM
5	ZCC 591/4	MEASUREMENTS & EXPERIMENTAL TECHNIQUES I	TEKNIK-TEKNIK EKSPERIMEN DAN PENGUKURAN I	PROF. DR. MOHD. ZUBIR MAT JAFRI / KUMPULAN
MSc APPLIED GEOPHYSICS (MIXED MODE) [GEOFIZIK GUNAAN (MOD CAMPURAN)]				
1	ZGT 561/4	POTENTIAL FIELD EXPLORATION METHODS	KAEDAH PENCARIGALIAN MEDAN KEUPAYAAN	PROF. DR. ROSLI SAAD
2	ZGT 562/4	SEISMIC INTERPRETATION	PENTAFSIRAN SEISMIK	DR. YASIR BASHIR
3	ZGT 563/4	FORMATION EVALUATION	PENILAIAN FORMASI	DR. TEOH YING JIA
4	ZGT 564/4	REMOTE SENSING APPLICATIONS	APLIKASI PENDERIAAN JAUH	DR. ISMAIL AHMAD ABIR
5	ZGE 571/2	ENGINEERING GEOSCIENCE	GEOSAINS KEJURUTERAAN	DR. ANDY ANDERSON ANAK BERY
6	ZGE 572/2	PETROLEUM GEOSCIENCE	GEOSAINS PETROLEUM	DR. ISMAIL AHMAD ABIR