

Semester I

Kod Kursus (Course Code)	Tajuk Kursus (Course Title)
Teras/Core (20 unit)	
ZCT 531/4	Anatomi dan Fisiologi Manusia (<i>Human Anatomy and Physiology</i>)
ZCT 532/4	Ilmu Fizik Sinaran (<i>Radiation Physics</i>)
ZCT 533/4	Dosimetri dan Perlindungan Sinaran (<i>Dosimetry and Radiation Protection</i>)
ZCT 534/4	Fizik Radiologi Diagnosis (<i>Physics of Diagnostic Radiology</i>)
ZCT 596/4	Amali Fizik Perubatan I (<i>Medical Physics Practical I</i>)

Semester II

Kod Kursus (Course Code)	Tajuk Kursus (Course Title)
Teras/Core (16 unit)	
ZCT 535/4	Perubatan Nuklear dan Fizik Radioterapi (<i>Nuclear Medicine and Radiotherapy Physics</i>)
ZCT 595/8	Projek (Project)
ZCT 597/4	Amali Fizik Perubatan II (<i>Medical Physics Practical II</i>)
Elektif/Elective (4 unit)	
ZCE 537/2	Ultrasonik dan Pengimejan Resonans Magnet (<i>Ultrasound and Magnetic Resonance Imaging</i>)
ZCE 538/2	Radiobiologi dan Kimia Sinaran (<i>Radiobiology and Radiation Chemistry</i>)

KSCP (Short Semester)

Kod Kursus (Course Code)	Tajuk Kursus (Course Title)
Teras/Core (8 unit)	
ZCT595/8	Projek (Project)

Chair Person: **Dr. Nursakinah Suardi**
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UNIVERSITI SAINS MALAYSIA

JADUAL WAKTU PENGAJARAN / TEACHING TIMETABLE*
PUSAT PENGAJIAN SAINS FIZIK / SCHOOL OF PHYSICS*
 Universiti Sains Malaysia

Rancangan Ijazah Sarjana Sains (Kerja-Kursus)
Master of Science Degree Programme (Coursework)
Fizik Perubatan / Medical Physics

Semester / Semester I
 Sidang Akademik / Academic Session 2020/2021

DAY	Monday	Tuesday	Wednesday	Thursday	Friday
9.00 am - 9.50 am	Practical 596/4 RBL	ZCT 533/4 BS2	Practical 596/4 RBL	ZCT 532/4 BS2	ZCT 533/4 BS2
10.00 am - 10.50 am		ZCT 533/4 BS2		ZCT 532/4 BS2	ZCT 533/4 BS2
11.00 am - 11.50 am		ZCT 534/4 BS2		ZCT 531/4 BS2	ZCT 532/4 BS2
12.00 noon - 12.50 pm		ZCT 534/4 BS2		ZCT 531/4 BS2	
2.00 pm - 2.50 pm		ZCT 531/4 BS2		ZCT 534/4 BS2	
3.00 pm - 3.50 pm		ZCT 531/4 BS2		ZCT 534/4 BS2	ZCT 532/4 BS2
4.00 pm - 4.50 pm					
Legend: BS 2: Seminar Room 2 (3rd Floor), G06A (Admin Wing), School of Physics BS 3: Seminar Room 3 (3rd Floor), G06A (Admin Wing), School of Physics RBL: Radiation Biophysics Lab (Ground Floor), Room 010, G06, School of Physics L100: LAB 100, School of Physics					

RBL: En Mohd Rizal Mohamad Rodin
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SENARAI AMALI FIZIK PERUBATAN
LIST OF MEDICAL PHYSICS EXPERIMENTS

Semester/Semester I Amali Fizik Perubatan I /<i>Medical Physics Practical I</i> [ZCT596/4]	
Eksp^{erimen} Experiment 1	Pengesanan dan Pengukuran Sinaran Radiation Detection and Measurements
Eksp^{erimen} Experiment 2	Penilaian Prestasi Sistem Pengimejan Ultrasonik Performance Evaluation of Ultrasonic Imaging System
Eksp^{erimen} Experiment 3	Kawalan Kualiti Mesin Sinar-X dan Pemprosesan Filem Quality Control of X-Ray Machine and Film Processings
Eksp^{erimen} Experiment 4	Pengukuran Dos Dalam Fantom Dada Dose Measurements in Chest Phantom