

REGISTRATION GUIDELINE (Medical Radiation I)

Year 1				
Component	Semester 1		Semester 2	
	Course	Credit Hour	Course	Credit Hour
University Courses	LKM400 Malay Language IV	2	WUS101 Core Entrepreneurship	2
	Co-curriculum	1	LSP300 Academic English	2
			Co-curriculum	1
Core Courses	GTU103 Fundamental of Health Informatics	3	GTU105 Psychology and Behavioral Science	3
	GTU107 Human Anatomy and Physiology	4	GTX105 Medical Radiation Physics I	4
	GTX104 Introduction to Medical Radiation	4	GTX107 Mathematics of Radiation Science II	4
	GTX106 Mathematics of Radiation Science I	3		
Elective Courses			Elective course	2
Total		17		18

Year 2				
Component	Semester 3		Semester 4	
	Course	Credit Hour	Course	Credit Hour
University Courses	HFF225 Philosophy and Current Issues	2	Co-curriculum	1
	LSP402 Scientific and Medical English	2	HFE224 Appreciation of Ethics and Civilisations	2
Core Courses	GTX215 Medical Radiation Physics II	4	GTX219 Basis of Radiation Dosimetry	4
	GTX213 Basic Science of Nuclear Medicine	3	GTX220 Diagnostic Radiology Imaging	4
	GTX222 Basic Sciences in Diagnostic Radiology	4	GTX221 Nuclear Medicine Imaging	4
	GTX218 Radiation Protection and Safety I	4		
Elective Courses			Elective course	2
			Elective course	3
Total		19		20

Year 3				
Component	Semester 5		Semester 6	
	Course	Credit Hour	Course	Credit Hour
University Courses				
Core Courses	GTU304 Research Methodology	3	GTU301 Ethics and Law for Healthcare Professionals	3
	GTX307 Radiation Protection and Safety II	3	GTU302 Biostatistics	3
	GTX326 Principles of Radiotherapy	4	GTX327 Brachytherapy	3
	GTX328 Diagnostic Radiology Imaging Techniques	4	GTX330 Nuclear Medicine Imaging Techniques	4
	GTX329 Quality Assurance in Diagnostic Radiology	4	GTX331 Quality Assurance in Nuclear Medicine and Radiotherapy	4
Elective Courses				
Total		18		17

Year 4				
Component	Semester 7		Semester 8	
	Course	Credit Hour	Course	Credit Hour
University Courses				
Core Courses	GTX418 Dose Calculations and Treatment Planning in Radiotherapy	4	GTX415 Research Project	(6/8)
	GTX417 Radiotherapy Treatment Planning Techniques	4	GTX411 Radiotherapy Techniques	4
	GTX415 Research Project	(2/8)		
	GTX416 Professional Training	4		
Elective Courses			Elective course	3
Total		14		13