



Annexure- 5.1 A

MGM SCHOOL OF BIOMEDICAL SCIENCES
(A constituent unit of MGM INSTITUTE OF HEALTH
SCIENCES)

(Deemed University u/s 3 of UGC Act 1956)

Grade “A” Accredited by NAAC

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CHOICE BASED CREDIT SYSTEM(CBCS)

(Academic Year 2018 - 19)

Curriculum for

M.Sc. Allied Health Sciences

M.Sc. Medical Radiology and Imaging Technology

OUTLINE OF COURSE CURRICULUM														
M.Sc. Medical Radiology and Imaging Technology														
Semester I														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
MMRIT 101 L	Conventional Radiology and Imaging Equipments	4	-	-	-	4	60	-	-	-	60	20	80	100
MMRIT 102 L	Modern Radiological and Imaging Equipment	4	-	-	-	4	60	-	-	-	60	20	80	100
MMRIT 103 L	Radiation Safety and Protection	3	-	-	-	3	45	-	-	-	45	20	80	100
MMRIT 104 CP	MRIT Directed Clinical Education - I	-	-	-	27	9	-	-	-	405	405	50	-	50
Practical														
MMRIT 101 P	Conventional Radiology and Imaging Equipments	-	-	4	-	2	-	-	60	-	60	10	40	50
MMRIT 102 P	Modern Radiological and Imaging Equipment	-	-	4	-	2	-	-	60	-	60	10	40	50
Total		11	0	8	27	24	165	0	120	405	690	130	320	450

OUTLINE OF COURSE CURRICULUM														
M.Sc. Medical Radiology and Imaging Technology														
Semester II														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
MMRIT 105 L	Radiographic and Imaging Techniques	3	-	-	-	3	45	-	-	-	45	20	80	100
MMRIT 106 L	Interventional Radiological Techniques	4	-	-	-	4	60	-	-	-	60	20	80	100
MMRIT 107 L	Radiological Physics for Imaging	3	-	-	-	3	45	-	-	-	45	20	80	100
MMRIT 108 CP	MRIT Directed Clinical Education - II	-	-	-	27	9	-	-	-	405	405	50	-	50
CC 001 L	Research Methodology & Biostatistics (Core Course)	4	-	-	-	4	60	-	-	-	60	20	80	100
Practical														
MMRIT 105 P	Radiographic and Imaging Techniques	-	-	4	-	2	-	-	60	-	60	10	40	50
MMRIT 107 P	Radiological Physics for Imaging	-	-	4	-	2	-	-	60	-	60	10	40	50
CC 001 P	Research Methodology & Biostatistics (Core Course)	-	-	4	-	2	-	-	60	-	60	10	40	50
Core Elective Course														
CEC 001 L	Basics of Clinical Skill Learning	3	-	-	-	3	45	-	-	-	45	100	-	100
CEC 002 L	Hospital Operation Management													
Total		17	0	12	27	32	255	0	180	405	840	260	440	700

OUTLINE OF COURSE CURRICULUM														
M.Sc Medical Radiology and Imaging Technology														
Semester III														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
MMRIT 109 L	Radiological and Imaging Procedures	4	-	-	-	4	60	-	-	-	60	20	80	100
MMRIT 110 L	Quality Assurance in Diagnostic Imaging	4	-	-	-	4	60	-	-	-	60	20	80	100
MMRIT 111 CP	MRIT Directed Clinical Education - III	-	-	-	21	7	-	-	-	405	405	50	-	50
MMRIT 112	Dissertation / Project*	10	-	-	-	5	-	-	-	-	-	50	-	50
Practical														
MMRIT 110 P	Quality Assurance in Diagnostic Imaging	-	-	4	-	2	-	-	120	-	120	10	40	50
Seminar														
MMRIT 113	Seminars	-	-	-	-	1	-	-	-	-	-	50	-	50
Total		18	0	4	21	23	120	0	120	405	645	200	200	400

OUTLINE OF COURSE CURRICULUM														
M.Sc Medical Radiology and Imaging Technology														
Semester IV														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory (General Elective**)														
GE 001 L	Pursuit of Inner self Excellence (POISE)	4	-	-	-	4	60	-	-	-	60	100	-	100
GE 002 L	Bioethics, Biosafety, IPR and Technology Transfer													
GE 003 L	Disaster Management and Mitigation Resources													
GE 004 L	Human Rights													
Practical														
MCCT 112	Dissertation / Project	-	-	36	-	18	-	-	-	-	-	-	200	200
MCCT 114	Educational Tour / Field Work/IV/Hospital Visit	-	-	-	-	2	-	-	-	-	-	50	-	50
Total		4	0	36	0	24	60	0	0	0	60	150	200	350