

SYLLABUS FOR THE BACHELOR OF MEDICAL RADIOGRAPHY & IMAGING TECHNOLOGY (BMRT) COURSE

Category definition with credit breakup

Semester		Credit					Total/Sem
	CC	DSE	GE	AECC	SEC	USC	
First	12		4	2		2	20
Second	12	6	4	2	1	2	27
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	18	6			1		25
Sixth	24						24
Total Credit/ Course	90	24	16	8	4	8	
Total Credit							150

CC: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Course;
SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective; USC: University specified course

First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - I					
CC – 1	Human Anatomy I	4	4	0	0
	Human Anatomy I Lab	2	0	0	4
CC – 2	Human Physiology	4	4	0	0
	Human Physiology Lab	2	0	0	4
GE – 1	Generic Elective	4	4	0	0
AECC – 1	Communicative English – I	2	2	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester - II					
CC – 3	Human Anatomy II	4	4	0	0
	Human Anatomy II Lab	2	0	0	4
CC – 4	Introduction to Cells & Biomolecules	4	4	0	0
	Introduction to Cells & Biomolecules Lab	2	0	0	4
DSE – 1	Basic Physics with an introduction to Plasma	4	4	0	0
	Basic Physics with an introduction to Plasma Lab	2	0	0	4
GE – 2	Generic Elective	4	4	0	0
AECC – 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
USC – 2	Foreign Language II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - III					
CC – 5	Radiation Physics	4	4	0	0
	Radiation Physics Lab	2	0	0	4
CC – 6	Radiology & Dark Room Analysis -I	4	4	0	0
	Radiology & Dark Room Analysis -I Lab	2	0	0	4
DSE – 2	Fundamentals of Computer Science	4	4	0	0
	Fundamentals of Computer Science Lab	2	0	0	4
GE – 3	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – I	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 3	Foreign Language III	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 7	Radiology & Dark Room Analysis -II	4	4	0	0
	Radiology & Dark Room Analysis -II Lab	2	0	0	4
CC – 8	Basics of Radiography & Patient Care in Hospital	4	4	0	0
	Basics of Radiography & Patient Care in Hospital	2	0	0	4
DSE – 3	Medical Ethics	4	4	0	0
	Medical Ethics Lab	2	0	0	4
GE – 4	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – II	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 9	Radiography Equipment & Techniques	4	4	0	0
	Radiography Equipment & Techniques Lab	2	0	0	4
CC – 10	Advanced Imaging & Contrast Media I	4	4	0	0
	Advanced Imaging & Contrast Media I lab	2	0	0	4
CC – 11	Radiation Hazards & Preventative Strategies	4	4	0	0
	Radiation Hazards & Preventative Strategies Lab	2	0	0	4
DSE – 4	Community Medicine and Medical Statistics	4	4	0	0
	Community Medicine and Medical Statistics Lab	2	0	0	4
SEC – 4	Mentored Seminar – IV	1	1	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Radiography Techniques of Bones and Joints	4	4	0	0
	Radiography Techniques of Bones and Joints Lab	2	0	0	4
CC – 13	Advanced Imaging & Contrast Media II	4	4	0	0
	Advanced Imaging & Contrast Media II Lab	2	0	0	4
CC – 14	Special Radiographic Techniques	4	4	0	0
	Special Radiographic Techniques Lab	2	0	0	4
CC – 15	Project/Hospital training	6	0	0	12
Total Credit = 24			Teaching Hour = 36		