

Ref. No. EU/RIT/2024/218

**ERA UNIVERSITY**  
**TIME TABLE B.Sc. RIT 5<sup>th</sup> SEMESTER (BATCH - 2022 )**  
**Lecture Venue: 4<sup>th</sup> floor, Room No.408, University Building**

Days	9-10	10-11	11-12	12-01	01-02	02-03	03-04
<b>Monday</b> 02/09/2024	Physics of Advanced Imaging Technology-I (L) Basic Computed Tomography (Mr. Dilshad Ahmad)	Library	Practical/ hospital posting (Mr. Ajaydeep singh)	Advanced Radiographic Imaging technology I (L) MRI – INTRODUCTION (Mr. Ajaydeep singh)	<b>L U N C H</b>		Practical/ hospital posting (Mr. Ajaydeep singh)
<b>Tuesday</b> 03/09/2024	Advanced Radiographic Imaging technology I (L) Indication (Mr. Ajaydeep singh)	Radiotherapy Planning and quality control-I (L) Treatment planning introduction (Mr. Shailendra Kumar Diwakar)	Physics of Advanced Imaging Technology-I (L) Basic principles of CT (Mr. Dilshad Ahmad)	Library			Practical/ hospital posting (Mr. Dilshad Ahmad)
<b>Wednesday</b> 04/09/2024	Quality Control in Diagnostic Radiology (L) Objectives of quality Control: Improve the quality of imaging thereby increasing the diagnostic value (Mr. Piyush Panday)	Self-Study	Soft skill (L) Mr. Kaunain Abdi	Advanced Radiographic Imaging technology I (L) Contraindication (Mr. Ajaydeep singh)			Practical/ hospital posting (Mr. Ajaydeep singh)
<b>Thursday</b> 05/09/2024	Physics of Advanced Imaging Technology-I (L) Generations of CT (Mr. Dilshad Ahmad)	Practical/ hospital posting (Prof. Dr. Usman khan)	Quality Control in Diagnostic Radiology (L) Reduce the radiation exposure; Reduction of film wastage and repeat examination, (Mr. Piyush Panday)	Self-Study			Practical/ hospital posting (Prof. Dr. Usman khan)
<b>Friday</b> 06/09/2024	Quality Control in Diagnostic Radiology (L) Maintain the various diagnostic and imaging units at their optimal performance. (Mr. Piyush Panday)	Practical/ hospital posting (Mr. Dilshad Ahmad)		Radiotherapy Planning and quality control-I (L) SOPs of treatment planning (Mr. Shailendra Kumar Diwakar)			Practical/ hospital posting (Mr. Dilshad Ahmad)
<b>Saturday</b> 07/09/2024	Mentor-Mentee (Mr. Shailendra Kumar Diwakar)			Radiotherapy Planning and quality control-I (L) Definition of treatment planning (Mr. Shailendra Kumar Diwakar)			Practical/ hospital posting (Mr. Ajaydeep singh)

*MU 22/01/24*  
**Prof (Dr.) Mohd. Usman Khan**  
**Professor & Head**  
**Department of RIT**  
**Era University, Lucknow**

*[Signature]*  
**Prof. S. Riaz Mehdi**  
**Dean (EIAHSc&R)**  
**Era University, Lucknow**

Copy to: Ms. Shaheen (V.C. Office), Registrar, Allied Coordinator, Dean Allied, HOD Radiodiagnosis, Attendance Section, Soft Skill Department, Concerned Faculty

Ref. NO. EU/RIT/2024/218

**ERA UNIVERSITY**  
**TIME TABLE B.Sc. RIT 5<sup>th</sup> SEMESTER (BATCH 2022)**  
**Lecture Venue: 4<sup>th</sup> floor, Room No.408, University Building**

Days	9-10	10-11	11-12	12-01	01-02	02-03	03-04
<b>Monday</b> 09/09/2024	Physics of Advanced Imaging Technology-I (L) CT instrumentation (Mr. Dilshad Ahmad)	Library	Practical/ hospital posting (Mr. Ajaydeep singh)	Advanced Radiographic Imaging technology I (L) Patient preparation (Mr. Ajaydeep singh)	<b>L U N C H</b>	Practical/ hospital posting (Mr. Ajaydeep singh)	
<b>Tuesday</b> 10/09/2024	Advanced Radiographic Imaging technology I (L) Positioning (Mr. Ajaydeep singh)	Radiotherapy Planning and quality control-I (L) Treatment planning procedure in general (Mr. Shailendra Kumar Diwakar)	Physics of Advanced Imaging Technology-I (L) Image formation in CT (Mr. Dilshad Ahmad)	Library		Practical/ hospital posting (Mr. Dilshad Ahmad)	
<b>Wednesday</b> 11/09/2024	Quality Control in Diagnostic Radiology (L) Quality assurance activities: Equipment selection phase; Equipment installation (Mr. Piyush Panday)	Self-Study	Soft skill (L) Mr. Kaunain Abdi	Advanced Radiographic Imaging technology I (L) Wrist joint – Carpal tunnel syndrome (Mr. Ajaydeep singh)		Practical/ hospital posting (Mr. Ajaydeep singh)	
<b>Thursday</b> 12/09/2024	Physics of Advanced Imaging Technology-I (L) CT image reconstruction, Hounsfield unit (Mr. Dilshad Ahmad)	Practical/ hospital posting (Prof. Dr. Usman khan)	Quality Control in Diagnostic Radiology (L) Acceptance phase; Operational phase; Preventive maintenance (Mr. Piyush Panday)	Self-Study		Practical/ hospital posting (Prof. Dr. Usman khan)	
<b>Friday</b> 13/09/2024	Quality Control in Diagnostic Radiology (L) Quality assurance Programme at the radiological faculty level (Mr. Piyush Panday)	Practical/ hospital posting (Mr. Dilshad Ahmad)		Radiotherapy Planning and quality control-I (L) Treatment planning procedure special emphasis (Mr. Shailendra Kumar Diwakar)		Practical/ hospital posting (Mr. Dilshad Ahmad)	
<b>Saturday</b> 14/09/2024	Mentor-Mentee (Mr. Shailendra Kumar Diwakar)	Radiotherapy Planning and quality control-I (L) On turnout localization and target volume (Mr. Shailendra Kumar Diwakar)	Practical/ hospital posting (Mr. Ajaydeep singh)	Electives			

22/09/24  
**Prof (Dr.) Mohd. Usman Khan**  
**Professor & Head**  
**Department of RIT**  
**Era University, Lucknow**


**Prof.S.Riaz Mehdi**  
**Dean (EIAHSc&R)**  
**Era University, Lucknow**

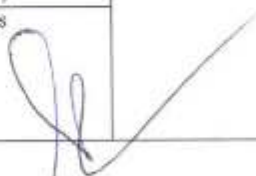
**Copy to:** Ms. Shaheen (V.C. Office), Registrar, Allied Coordinator, Dean Allied, HOD Radiodiagnosis, Attendance Section, Soft Skill Department, Concerned Faculty

Ref. No. EU/RIT/2024/210

**ERA UNIVERSITY**  
**TIME TABLE B.Sc. RIT 5<sup>th</sup> SEMESTER (BATCH 2022)**  
**Lecture Venue: 4<sup>th</sup> floor, Room No.408, University Building**

Days	9-10	10-11	11-12	12-01	01-02	02-03	03-04
<b>Monday</b> 16/09/2024	Physics of Advanced Imaging Technology-I (L) CT image quality, CT image display (Mr. Dilshad Ahmad)	Library	<b>BARAWAFAT</b>	Advanced Radiographic Imaging technology I (L) Degenerative diseases of spine (Mr. Ajaydeep Singh)	L U N C H	Practical/ hospital posting (Mr. Ajaydeep Singh)	
<b>Tuesday</b> 17/09/2024	Advanced Radiographic Imaging technology I (L) Disk buldge (Mr. Ajaydeep Singh)	Radiotherapy Planning and quality control-I (L) Measurement by conventional radiographic method (Mr. Shailendra Kumar Diwakar)	Physics of Advanced Imaging Technology-I (L) Helical CT scan: Slip ring technology, advantages (Mr. Dilshad Ahmad)	Library		Practical/ hospital posting (Mr. Dilshad Ahmad)	
<b>Wednesday</b> 18/09/2024	Quality Control in Diagnostic Radiology (L) Responsibility; Purchase, Specifications, Acceptance; Routine testing (Mr. Piyush Panday)	Self-Study	Soft skills(L) Mr. Kaunain Abdi	Advanced Radiographic Imaging technology I (L) Spondylitis (Mr. Ajaydeep Singh)		Practical/ hospital posting (Mr. Ajaydeep Singh)	
<b>Thursday</b> 19/09/2024	Physics of Advanced Imaging Technology-I (L) Multi detector array helical CT (Mr. Dilshad Ahmad)	Practical/ hospital posting (Prof. Dr. Usman Khan)	Quality Control in Diagnostic Radiology (L) Evaluation of results of routine testing; Quality assurance practical exercise in the X ray generator and tube (Mr. Piyush Panday)	Self-Study		Practical/ hospital posting (Prof. Dr. Usman Khan)	
<b>Friday</b> 20/09/2024	Quality Control in Diagnostic Radiology (L) Image receptors from processing; Radiographic equipment; Fluoroscopic equipment (Mr. Piyush Panday)	Practical/ hospital posting (Mr. Dilshad Ahmad)		Radiotherapy Planning and quality control-I (L) Simulator imaging (Mr. Shailendra Kumar Diwakar)		Practical/ hospital posting (Mr. Dilshad Ahmad)	
<b>Saturday</b> 21/09/2024	Mentor-Mentee (Mr. Shailendra Kumar Diwakar)	Radiotherapy Planning and quality control-I (L) Contrast media- introduction (Mr. Shailendra Kumar Diwakar)	Practical/ hospital posting (Mr. Ajaydeep Singh)	Electives			

  
**Prof. (Dr.) Mohd. Usman Khan**  
**Professor & Head**  
**Department of RIT**  
**Era University, Lucknow**

  
**Prof. S. Riaz Mehdi**  
**Dean (EIAHSc&R)**  
**Era University, Lucknow**


**Copy to:** Ms. Shaheen (V.C. Office), Registrar, Allied Coordinator, Dean Allied, HOD Radiodiagnosis, Attendance Section, Soft Skill Department, Concerned Faculty




Ref. No. EU/RIT/2024/218

**ERA UNIVERSITY**  
**TIME TABLE B.Sc. RIT 5<sup>th</sup> SEMESTER (BATCH 2022)**  
 Lecture Venue: 4<sup>th</sup> floor, Room No.408, University Building

Days	9-10	10-11	11-12	12-01	01-02	02-03	03-04
<b>Monday</b> 23/09/2024	Physics of Advanced Imaging Technology-I (L) Cone – beam geometry (Mr. Dilshad Ahmad)	Library	Practical/ hospital posting (Mr. Ajaydeep singh)	Advanced Radiographic Imaging technology I (L) Disk herniation (Mr. Ajaydeep singh)	<b>L U N C H</b>		
<b>Tuesday</b> 24/09/2024	Advanced Radiographic Imaging technology I (L) Metastatic diseases (Mr. Ajaydeep singh)	Radiotherapy Planning and quality control-I (L) Role of special contrast medium base radiotherapy (Mr. Shailendra Kumar Diwakar)	Physics of Advanced Imaging Technology-I (L) Reconstruction of helical CT images (Mr. Dilshad Ahmad)	Library		Practical/ hospital posting (Mr. Ajaydeep singh)	Practical/ hospital posting (Mr. Dilshad Ahmad)
<b>Wednesday</b> 25/09/2024	Quality Control in Diagnostic Radiology (L) Mammographic equipment, Conventional tomography, Computed tomography, Film processing, manual and automatic (Mr. Piyush Panday)	Self -Study	Soft skill (L) Mr. Kaunain Abdi	Advanced Radiographic Imaging technology I (L) Trauma and tumors (Mr. Ajaydeep singh)		Practical/ hospital posting (Mr. Ajaydeep singh)	
<b>Thursday</b> 26/09/2024	Physics of Advanced Imaging Technology-I (L) CT artefact (Mr. Dilshad Ahmad)	Practical/ hospital posting (Prof. Dr. Usman khan)	Quality Control in Diagnostic Radiology (L) Consideration for storage of film and chemicals, Faults tracing, Accuracy of imaging- image distortion for digital imaging devices (Mr. Piyush Panday)	Self -Study		Practical/ hospital posting (Prof. Dr. Usman khan)	
<b>Friday</b> 27/09/2024	Quality Control in Diagnostic Radiology (L) LASER printer calibration (Mr. Piyush Panday)	Practical/ hospital posting (Mr. Dilshad Ahmad)		Radiotherapy Planning and quality control-I (L) Introduction and role of CT in radionuclides imaging (Mr. Shailendra Kumar Diwakar)		Practical/ hospital posting (Mr. Dilshad Ahmad)	
<b>Saturday</b> 28/09/2024	Mentor-Mentee (Mr. Shailendra Kumar Diwakar)	Radiotherapy Planning and quality control-I (L) Introduction and role of MRI in radionuclides imaging (Mr. Shailendra Kumar Diwakar)	Practical/ hospital posting (Mr. Ajaydeep singh)	Electives			

  
**Prof (Dr.) Mohd. Usman Khan**  
 Professor & Head  
 Department of RIT  
 Era University, Lucknow

  
**Prof. S. Riaz Mehdi**  
 Dean (EIAHSc&R)  
 Era University, Lucknow

Copy to: Ms. Shaheen (V.C. Office), Registrar, Allied Coordinator, Dean Allied, HOD Radiodiagnosis, Attendance Section, Soft Skill Department, Concerned Faculty