Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Radiologic Technology Department

RA794 Practical Training In Clinical Radiologic Technology
Summer Semester 2023-2024

Course Catalog
1 Credit Hours. The aim of the course is to produce well trained, competent clinical radiologic technology students capable of being appointed as, and to undertake the duties of a professional technician. A major component of training in clinical radiology is achieved by the apprenticeship system with the student undertaking an increasing number of radiological tasks. Each component of this has a clearly defined structure with supervision of the student by senior trainers. A named technician/s will assume overall responsibility for each module of training.
Teaching Method: On Campus

Text Book	
Title	Computed Tomography principles, techniques and clinical applications
Author(s)	Robert Meyer
Edition	3rd Edition
Short Name	1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
2	Radiologic Science for Technologists: Physics, Biology, and Protection	Stewart C. Bushong	4th Edition	

Instructor	
Name	**Dr. Maram Alakhras**
Office Location	-
Office Hours	Mon : 12:30 - 14:30 Tue : 10:30 - 11:00 Wed : 12:30 - 14:30 Thu : 13:00 - 14:30

Email	mmalakhras@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 11:00 - 13:00 Room: HOSPITAL

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Clinical training CT	From **1**
Week 2	Clinical training MRI	From **1**
Week 3	Clinical Training DEXA	From **1**
Week 4	Clinical Training DEXA	From **1**
Week 5	Clinical Training floroscopy	From **1**
Week 6	Clinical Training floroscopy	From **1**
Week 7	Clinical Training angiography	From **1**
Week 8	Clinical Training angiography	From **1**
Week 9	Clinical Training ultrasound	From **1**
Week 10	Clinical Training ultrasound	From **1**
Week 11	Clinical Training nuclear medicine	From **1**
Week 12	Clinical Training nuclear medicine	From **1**
Week 13	Clinical Training conventional radiography	From **1**
Week 14	Clinical Training conventional radiography	From **1**
Week 15	Clinical Training conventional radiography	From **1**
Week 16	Revision	From **1**

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Perform routine and specialized radiographic examinations following standard protocols and position patients correctly and apply anatomical knowledge to ensure high-quality diagnostic images. [1PLO M1]	20%	
Apply radiation safety principles following ALARA (As Low As Reasonably Achievable) guidelines and use appropriate shielding techniques. [1PLO M3]	20%	

Provide patient-centered care by effectively communicating with patients and addressing their concerns, assist patients with mobility limitations and adapt procedures for pediatric, elderly, or critically ill patients as needed. [1PLO M5]	20%	
Make appropriate procedural modifications based on clinical conditions or patient needs and recognize emergency situations and respond promptly by applying critical thinking and professional judgment. [1PLO B2]	20%	
Participate in quality assurance programs to ensure optimal equipment performance and image quality and reflect on clinical experiences to identify areas for professional growth and continuous learning. [1PLO M6]	20%	

Relationship to Program Student Outcomes (Out of 100%)												
PLO B1	PLO B2	PLO B3	PLO B4	PLO B5	PLO B6	PLO B7	PLO M1	PLO M2	PLO M3	PLO M4	PLO M5	PLO M6
	20						20		20		20	20

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