

Ministry of Higher Education and Scientific Research



Academic Program and Course Description Guide

2025-2026

توقيع السيد العميد

Course Description Form

1. Course Name:	
2. Course Code:	
3. Semester / Year:	
4. Description Preparation Date: 2025-2026	
5. Available Attendance Forms: theory and practice	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours for theory 30 hours for practice	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr.IMAD HUSSEIN ALKUFAISHI -The Chief of division of radiology and the lecturer of theory Email: imad.hussein@uowa.edu.iq Dr .Adnan Altemimy - Dr. Fatima Alhaidary -the trainers of practice	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> • 1-Introduction of the science of Radiology , types of • The available radiological investigations and modalities • 2-to know the advantage ,disadvantage and properties • Of each modality • 3.to know the basic subjects in each system in the body • (CNS ,MSK,GIT,GUS,CHEST) with radiological features of • each disease • 4-concentration on the Emergency situations in each • system and who to deal with radiologically in emergency • units and medical and surgical wards..... • 5-How to develop skills and abilities for medical • students regarding the available radiological modalities • and how to choose the proper one • 6- from all of above ,we aim to prepare the medical • Students to work in future during the rotation period • scientifically and safely which help in the process of • accurate and rapid diagnosis for all medical cases •
9. Teaching and Learning Strategies	
Strategy	1- theoretical lectures , interaction with the scientific materials by the students and the lecturer 2. the practical courses and tours in the hospitals with studying the most important radiological cases

3-connection between the theory and the practice
 4.the continuous assessments regarding the lectures and practical points by Quizzes ,monthly examinations and mid term and final examinations

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	-Introduction of radiology , The available radiology modalities , their proper ,advantages and disadvantages -How X ray machine work with Physical and radiology properties with the protect ways .	Introduction	-theory lectur -practical courses and tours	-Quizes -examination -Interaction
2nd& 3rd	7	-Introduction to the available Modalities and its uses , Advantages and disadvantages -Anatomy of lungs based on Radiological examinations -Who to read CXR in systematic Way. -the most important infections That affect this system with Radiological features of each - Most common Tumours of Lung and the radiological Features . -anatomical and radiological Study of mediastinum and the Radiological features of most Common diseases affect it. -chest trauma and how to Manage radiologically . -most important paediatric Diseases affecting the chest . - most important diseases Affecting pleura -the most common cardiovascular diseases affecting lung with its Radiological features .	Chest		
4th & 5th	6	-most common examination Used for the CNS and its Advantages ,disadvantages and Contraindications -discussing the STROKE Ischemic and hemorrhagic and Its radiological features	CNS		

6th and 7th	6	<ul style="list-style-type: none"> -Traumatic brain injury and its Radiological features . -Brain tumours radiological Features . -CNS infection <ul style="list-style-type: none"> - introduction for the available Investigations used for this System and their indications Advantages and contra-indications -radiological features of bone Diseases -Arthritis in general with their Radiological features -Types of fractures -Bone infections in general -Bone tumours and their Radiological features 	MSK		
8th & 9th	6	<ul style="list-style-type: none"> -Introduction about the special Investigations used for GIT , Their advantages , dis-advantages And contraindications . -the diseases of esophagus & Stomach and their investigation -the diseases of small and large Bowel and their investigations -How to read abdominal X RAY And its uses in emergency -paediatric abdominal x ray . 	GIT		
10th	3	<ul style="list-style-type: none"> -Introduction to the most co Available investigations and Their advantages and Disadvantages - congenital diseases of GUS -kidney stones -Kidney tumours , infection of GUS and their radiological features . 	GUS		

11.Course Evaluation

10 marks for two midterm examinations
10 marks for activities , clinical skills and interaction during lectures and practice
20 marks for mid year theoretical examination
40 marks for final theoretical examination
20 marks for the final clinical examination

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Diagnostic imaging -by Peter Armstrong
Recommended books and references (scientific journals, reports...)	Text book of radiology and imaging -by David Sutton .

	Core Radiology -by Jacob Mandell
Electronic References, Websites	Radiopedia