

Republic of Iraq  
Ministry of Higher Education & Scientific Research  
Supervision and Scientific Evaluation Directorate  
Quality Assurance and Academic Accreditation  
International Accreditation Dept.

## Academic Program Specification Form For The Academic Year 2023-2024

University: Baghdad  
College : AlKindy Medical College  
Number Of Departments In The College :  
Date Of Form Completion : 10/23/2023

  
Dean's Name

Date: / / 202

Signature

  
Dean's Assistant For  
Scientific Affairs

Date: 20/11/202

Signature

The College Quality Assurance  
And University Performance  
Manager

Date: 20/11/2023

Signature 

Quality Assurance And University Performance Manager

Date: / / 202

Signature

## TEMPLATE FOR PROGRAMME SPECIFICATION

### HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

#### PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	AlKindy college of medicine
2. University Department/Centre	University of Baghdad
3. Program Title	Radiology module
4. Title of Final Award	Radiology of 5 <sup>th</sup> year
5. Modes of Attendance offered	Program of the scientific committee for examinations in the College of Medicine
6. Accreditation	3.5 units (30 hr theory), (45 hr. clinical)
7. Other external influences	Hospital clinical teaching, Osce
8. Date of production/revision of this specification	٢٠٢٣/١٠/٢٣ review for year 2023 -2024
9. Aims of the Program	
<ul style="list-style-type: none"><li>• To differentiate the nature of ionizing and non-ionizing radiation.</li><li>• To understand the uses of ionizing radiation in medical practice.</li><li>• To define the basic principle of X-ray production and how a radiograph is obtained.</li><li>• To explain how X-ray is used in diagnostic work.</li><li>• To describe the normal radiological anatomy of the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.</li></ul>	

- To identify common anatomical variations of the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.
- To identify the radiological abnormalities and provide differential diagnoses for the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.
- To understand the use of various imaging modalities available for the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.
- To identify and interpret radiological abnormalities and provide differential diagnoses in common emergency radiology imaging.
- To understand the use of other imaging modalities available for emergencies.
- To describe all the contrast agents used in radiology.
- To explain the indications and contraindications for contrast agents in radiology.
- To explain the side effects of all the contrast media.
- To state the adverse reactions of contrast agents in radiology.
- To identify the adverse effect of ionizing radiation on human i.e. patients, radiation workers, and public.
- To define the principles of radiation protection.
- To describe the various radiation protection procedures and devices available for medical use.

## 10. Learning Outcomes, Teaching, Learning and Assessment Methods

### A. Cognitive goals

#### A1. Lectures

- Radiological Investigations in chest diseases
- Radiological signs of lung diseases
- Imaging of pleura and mediastinum diseases
- Imaging of specific lung diseases
- Imaging of bone diseases
- Imaging of joint diseases
- Imaging of bone trauma
- Imaging of renal diseases



- Imaging of UB, prostate, scrotum
- Woman imaging
- Imaging of brain diseases
- Imaging of spine diseases
- Imaging of GIT diseases
- Imaging of hepatobiliary diseases

### **A2. Seminars**

- Radiological signs of heart diseases
- Imaging of retroperitoneum and adrenal glands

### **A3 Tutorials.**

- Basic principles of x-ray, US, radio-nuclide imaging, CT & MRI. Contrast media and radiation hazard
- Interpretation of abnormal plain abdominal film

- B. The skills goals special to the programme .
- B1. seminar , tutorial & attitude assessment
  - B2. osce
  - B3. Mid theory exam.

### Teaching and Learning Methods

- Training in small groups at Al-Kindi Teaching Hospital taking the patient's history of illness and clinical examination
- Training in the students' skills lab
- clinical training
- Lecture, Tutorial and seminar

### Assessment methods

- A. **Continuous assessment: 10%**
- attitude 2%
  - Quizzes examinations 5%
  - seminar 1.5%
  - tutorials 1.5%
- B. **clinical examination at the end of 2 weeks 20%**

<p>C. Affective and value goals</p> <p>C1. clinical activity (Case presentation &amp; evaluation)</p> <p>C2. clinical skills</p> <p>C3. seminar , tutorial, Lectures</p> <p>C4.</p>
<p>Teaching and Learning Methods</p> <p>Clinical training at Al-Kindi Teaching Hospital, Unit of X-ray , Ct scan unit</p>
<p>Assessment methods</p>
<p>A. Objectively Structured Clinical Exam (OSCE) 20%</p> <p>B. knowledge assessment paper examination 50%</p> <ul style="list-style-type: none"> <li>- Single Best Answer</li> <li>- Patient Problem Management</li> </ul>

<p>D. General and Transferable Skills (other skills relevant to employability and personal development)</p> <p>D1. Clinical training at the X-ray units</p> <p>D2. Clinical training at the CT scan units</p> <p>D3. Clinical training at the MRI units</p> <p>D4.</p>
<p>Teaching and Learning Methods</p>
<p>Seminars. Clinical training. Skills Lab</p>
<p>Assessment Methods</p>
<p>Workplace based assessment, OSCE, Slides</p>

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
5 <sup>th</sup> year		Radiology module	3.5	Theory 30 hr Clinical 45 hr

13. Personal Development Planning
Annual assessment and promotion
14. Admission criteria.
Students of 4 <sup>th</sup> stage
15. Key sources of information about the program

**Required**

- Diagnostic Imaging, 7<sup>th</sup> edition by Peter Armstrong, Martin L. Wastie, Andrea G. Rockall. Wiley-Blackwell 2013.

**Recommended**

- Radiology and Imaging For Medical Students, 7<sup>th</sup> edition by David Sutton. Churchill Livingstone 2008.
- Imaging Atlas of Human Anatomy, 4rd Edition by Jamie Weir. Mosby 2011. ISBN: 9780723434573

**Websites**

- <http://www.radiologymasterclass.co.uk>
- <https://radiopaedia.org>
- <http://www.learningradiology.com>







