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 2020-2021

Universitiy: Baghdad
College : AlKindy Medical College
Number Of Departments In The College :
Date Of Form Completion : 17/1/2021

Dean's Name

Date : / / 2020

Signature

Dean's Assistant For Scientific Affairs

Date : / / 2020
Signature

The College Quality Assurance And University Performance Manager

Date : / / 2020
Signature

Quality Assurance And University Performance Manager
Date : / / 2020
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 5th year
5. Modes of Attendance offered	Program of the scientific committee for examinations in the College of Medicine
6. Accreditation	1.33 units(20 hr theory), 1.33 units (40 hr. clinical)
7. Other external influences	Hospital clinical teaching, Osce
8. Date of production/revision of this specification	17/1/2021 review for year 2021 -2022

9. Aims of the Program

- To differentiate the nature of ionizing and non-ionizing radiation.
- To understand the uses of ionizing radiation in medical practice.
- To define the basic principle of X-ray production and how a radiograph is obtained.
- To explain how X-ray is used in diagnostic work.
- To describe the normal radiological anatomy of the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.

- 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%

- Quizzes, seminars and tutorials	**5 %**
- Midterm examination	**5 %**
- End course clinical examination	**20%**

B.

End module OSCE	**20%**
End module theory examination	**50%**

C. Affective and value goals

C1. clinical activity (Case presentation & evaluation)
C2. clinical skills
C3. seminar , tutorial, Lectures
C4.

Teaching and Learning Methods

Clinical training at Al-Kindi Teaching Hospital, Unit of X-ray , Ct scan unit

Assessment methods

A. Objectively Structured Clinical Exam (OSCE) 15%

B. knowledge assessment paper examination 50%

- Single Best Answer
- Patient Problem Management

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. Clinical training at the X-ray units
D2. Clinical training at the CT scan units
D3. Clinical training at the MRI units
D4.

Teaching and Learning Methods

Seminars. Clinical training. Skills Lab

Assessment Methods

Workplace based assessment, OSCE, Slides

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
5th year	RA 2505	Radiology module	2.66	Theory 20 hr Clinical 40 hr

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

Required

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

Recommended

- Radiology and Imaging For Medical Students, 7th edition by David Sutton. Churchill Livingston 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

Curriculum Skills Map																			
please tick in the relevant boxes where individual Program Learning Outcomes are being assessed																			
				Program Learning Outcomes															
Year / Level	Course Code	Course Title	Core © Title or Option (O)	Knowledge and understanding				Subject-specific skills				Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
				A1	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**	**D1**	**D2**	**D3**	**D4**
Fifth year	RA 2505	**Radiology**	**C**	+				+				+				+			

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course 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 should be cross-referenced with the programme specification.

1. Teaching Institution	Akindy Medical College
2. University Department/Centre	Department of Surgery
3. Course title/code	Radiology module of 5th year
4. Modes of Attendance offered	Program of the scientific committee for examinations in the College of Medicine
5. Semester/Year	Year
6. Number of hours tuition (total)	60
7. Date of production/revision of this specification	21/10/2020 revision for 2020-2021
8. Aims of the Course	
• To differentiate the nature of ionizing and non-ionizing radiation. • To understand the uses of ionizing radiation in medical practice. • To define the basic principle of X-ray production and how a radiograph is	

obtained.

- To explain how X-ray is used in diagnostic work.
- To describe the normal radiological anatomy of the chest, abdomen, gastrointestinal tract, genitourinary system, central nervous system, spine and musculoskeletal system.
- 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.

9· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Cognitive goals .

A1. Lectures

- Radiological Investigations in chest diseases
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- Imaging of bone diseases
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- 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: 15%**

attitude 1%

summative examinations 5%

seminar 2%

tutorials 2%

log-book 5%

B. **clinical examination at the end of 2 weeks 20%**

C. Affective and value goals

C1. clinical activity (Case presentation & evaluation)

C2. clinical skills

C3. seminar , tutorial, Lectures

C4.

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

Clinical end-of-course exam, theoretical, practical, slides exam, and the structured clinical objective exam

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)

D1. Clinical training at the X-ray units

D2. Clinical training in the Skills Lab.

D3.

D4.

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
15	60	How to take a medical history & compare that with radiological findings	Radiology	-Theoretical lectures - Clinical training	Surprise exams + clinical exams (end of course + mid-year exam + end - year exam

11. Infrastructure	
1.Books Required reading:	Diagnostic Imaging, 7th edition by Peter Armstrong, Martin L. Wastie, Andrea G. Rockall. Wiley-Blackwell 2013.
2. Main references (sources)	Special requirements (include for example workshops, periodicals, IT software, websites)
A- Recommended books and references (scientific journals, reports…).	• Radiology and Imaging For Medical Students, 7th edition by David Sutton. Churchill Livingston 2008. • Imaging Atlas of Human Anatomy, 4rd Edition by Jamie Weir. Mosby 2011. ISBN: 9780723434573
B-Electronic references, Internet sites…	Google scholar

12. The development of the curriculum plan	
-To increase the number of clinical hours with more hands on clinical skills. - divided the students into small groups teaching	