



A- COURSE TITLE, CODE, ACADEMIC YEAR:

RADIOGRAPHIC IMAGING INTERPRETATION (RAD-412) 1437-1438H

B- COURSE INFORMATION:

Course Code	Course Title	Credit Units			Study Level	Pre-Requisites
		Total	Theory	Practical		
RAD-412	Radiographic Imaging Interpretation	3	2	1	8 th	RAD-411
Course Coordinator		Extension		Email Address		
Dr. Fathelrehman Ahmed Elajab				Faamin@Taibahu.Edu.Sa		

C- COURSE DESCRIPTION:

The course is designed to provide the student with basic knowledge and skill of image interpretation and clinical reporting, general radiography and basic medical imaging reporting.

D- COURSE OBJECTIVES:

1. Understand principle of image interpretation and pattern recognition
2. Describe basic radiographic image interpretation-Appendicular and Axial skeleton (Plain Film reporting) .
3. Demonstrate knowledge of basic radiographic image interpretation of the chest .
4. Demonstrate knowledge radiographic image interpretation of the Abdomen.
5. Understand and demonstrate basic knowledge of image interpretation of CT scan.
6. Understand and demonstrate basic knowledge of image interpretation of US, NM and MRI imaging.
7. Understand and demonstrate how to write radiology report.
8. Critique radiographs for appropriate anatomy, pathology, and image quality .
9. Differentiate between pathological appearance and image artifacts.
10. Correlate between patient history and imaging findings.

E- THEORY TOPICS:

Week	Theory Topic	Contact Hours
1	Principle of image interpretation and pattern recognition	6
2	Reporting writing	4
3	Radiographic Image Interpretation-Appendicular and Axial skeleton (Plain Film reporting).	8
4	Radiographic Image Interpretation- Chest Imaging.	6
5	Radiographic Image Interpretation-Abdomen imaging.	6



F- PRACTICAL SESSIONS:		
Week	Practical Session	Contact Hours
1	Report writing	4
2	Radiographic Image Interpretation-Appendicular and Axial skeleton (Plain Film reporting).	10
3	Radiographic Image Interpretation- Chest Imaging.	8
4	Radiographic Image Interpretation-Abdomen imaging.	8

G- ASSESSMENT TASKS:			
#	Type of assessment task	Week	Total Grades
1	Assignment (quizzes, seminars, etc.....).	Over the course period	10%
2	Written test1	8th	20%
3	Written test2.	12th	20%
4	Final exam (practical).	14th	10%
5	Final exam (theoretical).	16th	40%

H- LEARNING RESOURCES:
<p><u>1- Required textbook:</u></p> <ul style="list-style-type: none"> Scheffer KJ. (2007). Better X-Ray Interpretation. Springhouse, Pa: Springhouse Corp; ISBN 087434868. Linn-Watson T. (2007). Radiographic Pathology. Philadelphia, Pa: WB Saunders; ISBN 0721641296. <p><u>2- Essential references:</u></p> <ul style="list-style-type: none"> Ronald L Eisenberg. (2010). Clinical Imaging: An Atlas of Differential Diagnosis. 5th edition. Publisher: Lippincott Williams & Wilkins. ISBN-10 / ASIN: 0781788609. ISBN-13 / EAN: 9780781788601.

Notes:

- Assignments topics and requirements shall be announced by the end of Week-1, the deadline for submission is 12 pm Thursday of Week-10 (each semester).
- Assignments and written assessment tasks must be verified against plagiarism, the maximum acceptable percentage is determined by the department (according to each level).
- Continuous assessments may include quizzes, internet searches, home-works, exercises, class activity, scratch cards, presentations, group work, etc.
- Practical exams may contain hands-on experiments, laboratory work, simulations, or demonstrations.
- Written exams will include multiple-choice questions (MCQ), short essay questions, and long essay questions.