

Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Allied Medical Sciences
Course Syllabus

Course Information	
Course Title	Radiography of the Peripheral Osseous System
Course Code	RA 230
Prerequisites	RA 210 or CO request
Course Website	
Instructor	MSc Haytham AL Ewaidat
Office Location	
Office Phone #	23777
Office Hours	Monday, Wednesday 12 p.m
E-mail	hytham@just.edu.jo
Teaching Assistant(s)	Mohammed AL Rawashdeh and Badera Algodah
Course Description	
This course includes the demonstration and practice in positioning and anatomical radiography of the chest and the upper and lower extremities to include shoulder and pelvic girdles.	

Textbook	
Title	Clark's Positioning in Radiography
Author(s)	A. Stewart Whitley, Charles Sloane, Graham Hoadley ,Adrian D. Moore ,Chrissie W. Alsop
Publisher	A Hodder Arnold Publication
Year	2003
Edition	11
Book Website	
Other references	

Assessment		
Assessment	Expected Due Date	Percentage
First Exam	TBA	25%
Second Exam	TBA	25%
Final Exam	TBA	40%
Assignments	NA	
Participation	NA	
Attendance	NA	10%

Course Objectives	Percentage
1. Use knowledge of anatomy, positioning, and radiographic techniques to accurately show anatomical structures on a radiograph, Describe the process of evaluating a radiograph for positioning accuracy and image quality	25%
2. Distinguish between acceptable and unacceptable chest radiographs based upon accepted evaluation criteria and discuss pathologic conditions affecting the chest. List the technical factors and the central ray locations for all basic and special projections for the thumb, fingers, hand, wrist, forearm, elbow,	25%

and humerus ,Describe which structures are best demonstrated with basic and special projections of the upper limb and Position on a model all basic and special projections for each body part of the upper limb.	
3. List the technical factors and the central ray locations for all basic and special projections for the thumb, fingers, hand, wrist, forearm, elbow, and humerus. Discriminate between radiographs that are acceptable and those that are unacceptable based upon accepted criteria. Discuss pathologic and traumatic conditions affecting the upper limb.	25%
4. List the technical factors and the central ray locations for all basic and special projections for the toes, foot, ankle, calcaneus, knee, patella, intercondylar fossa and femur. Describe which structures are best demonstrated with basic and special projections of the lower limb and Discriminate between radiographs that are acceptable and those that are unacceptable based upon accepted criteria.	25%

Teaching & Learning Methods
Lectures, visual demonstration, group work, pre lab and personal contact

Learning Outcomes: Upon successful completion of this course, students will be able to		
Related Objective(s)		Reference(s)
1	Demonstrate an understanding of the principles and terminology related to radiographic positioning	Chapter 1
2	Demonstrate an understanding of anatomy and positioning related to chest radiography	Chapter 7
3	Demonstrate an understanding of anatomy and positioning related to the upper limb	Chapter 2
4	Demonstrate an understanding of anatomy and positioning related to the lower limb	Chapter 11

Useful Resources
World wild web and university library

Course Content		
Week	Topics	Chapter in Textbook (handouts)
1	Terminology	In 1 Basic principles of radiography and digital technology
2	Upper Limb	In 2 The upper limb
3	Upper Limb	In 2 The upper limb
4	Upper Limb	In 3 The shoulder
5	Lower Limb	In 4 The lower limb

6	Lower Limb	In5 The hip, pelvis and SI joints
7	Lower Limb	In5 The hip, pelvis and SI joints
8	Chest Radiography	In7 The thorax and upper airway
9	Chest Radiography	In7 The thorax and upper airway
10	Abdomen Radiography	In11 The abdomen and pelvic cavity
11	Abdomen Radiography	In11 The abdomen and pelvic cavity
12	Abdomen Radiography	In11 The abdomen and pelvic cavity

Additional Notes

Cheating: The student will be penalized regarding to JUST regulations. If the student has been suspended as a cheater during a course exam, the student will receive a zero at that exam and will receive a Notice from the chair of the department.