

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Radiographic Positioning (3)
Course number	AMSR4293
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1	- To understand the anatomical structures and radiographic landmarks of the skull, paranasal sinuses, mandible, panorama, and facial bones.
2	- To understand the unique considerations and techniques involved in pediatric radiography.
3	- To develop proficiency in positioning patients for radiographic examinations of the skull, paranasal sinuses, mandible, panorama, and facial bones.
4	- To demonstrate competency in utilizing appropriate radiation protection techniques during radiographic procedures.
5	- To analyze and evaluate radiographic images for diagnostic quality and accuracy.
6	- To demonstrate effective communication skills with patients, caregivers, and healthcare professionals in a radiographic setting.

Intended Learning Outcomes

Knowledge and Understanding	* Explain the principles and techniques of radiographic positioning specific to each area of study.
Intellectual Skills	* Analyze patient cases and determine the most appropriate positioning techniques for specific radiographic examinations.
Professional Skills	* Adhere to professional and ethical standards in patient care and radiation safety practices.
General Skill	* Enhance critical thinking and decision-making abilities in the context of radiographic positioning.

Course Contents

- 1 - Principles of radiographic positioning
- 2 - Patient care and communication skills
- 3 - Radiation protection and safety considerations
- 4 - Image evaluation and pathology recognition
- 5 - Common pathologies and image evaluation
- 6 - Anatomy and landmarks of the skull
- 7 - Standard projections and positioning techniques
- 8 - Special projections for the skull
- 9 - Anatomy and landmarks of the paranasal sinuses
- 10 - Positioning techniques for the paranasal sinuses
- 11 - Anatomy and landmarks of the mandible
- 12 - Projection and positioning techniques for mandibular imaging
- 13 - Anatomy and landmarks of facial bones
- 14 - Positioning techniques for facial bone imaging
- 15 - Principles and equipment for panoramic imaging
- 16 - Patient positioning and technique for panoramic radiography
- 17 - Considerations for imaging pediatric patients
- 18 - Positioning techniques for pediatric radiography
- 19 - Radiation protection and patient cooperation strategies

Teaching and Learning Methods

- 1 - Lectures by the instructor covering theoretical concepts and positioning techniques
- 2 - Practical demonstrations of radiographic positioning procedures
- 3 - Hands-on practice sessions for students to develop positioning skills
- 4 - Case studies and image interpretation exercises
- 5 - Group discussions and collaborative learning activities
- 6 - Use of audiovisual aids and technology to enhance learning

Teaching and Learning Methods for the Disabled Students

- 1 - Providing accessible course materials in alternative formats (e.g., electronic text, large print)
- 2 - Ensuring classroom and lab facilities are accessible and equipped with appropriate assistive technologies
- 3 - Offering individualized instruction and support as needed
- 4 - Collaborating with the institutions disability support services to implement necessary accommodations

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First Quiz and Assignment	Week 3	10
Second Quiz and Assignment	Week 6	10
Midterm Exam	Week 8	30
Third Quiz and Assignment	Week 10	10
Final Exam	Week 15	40