The Hashemite University/Faculty of Allied Health Sciences
Department of Medical Imaging
Course Syllabus

Course information	
Course Title	Internship in Medical Imaging (1)
Course Code	1905081351
Prerequisites	140508322
Time	8 -2 (Monday, Wednesday)
Venue	Ministry of Health and Royal Medical services Hospitals
Duration	14 weeks (including exams period)

Course Description

The internship in Medical Imaging offers the medical imaging students the chance to practice performing different radiographic procedures that have been learned theoretically in class. Furthermore, students will also be given the chance to practice some advanced imaging procedures for different body parts using the magnetic resonance imaging (MRI) and computed tomography (CT).

Course Objectives

By the end of this course, student is expected to be able to :

- Apply the radiographic positioning skills to perform different radiographic procedures for the skull, spine, chest, abdomen, and pelvis, upper and lower extremities in addition to the contrast media-based radiographic procedures.
- Use the MRI and CT scanners professionally and efficiently.
- Select the technical factors for different radiographic, CT and MRI procedures.
- Demonstrate appropriate use of conventional and digital medical imaging equipments
- Practice radiation protection.
- Adhere to the MRI safety.
- Use effective communication skills with healthcare professionals and patients.
- Demonstrate effective presentation skills and written communication skills.
- Adjust all necessary elements to perform non-routine exams.
- Appropriately evaluate x-ray, CT and MR images.
- Demonstrate professional behavior.

Course Contents

- Requisition.
- Explanation and communication with patient.
- Patient care and safety.
- Correct equipment selection and use.
- Correct radiographic positioning and Centering.
- Correct slice planning.
- Correct selection of technical factors.
- Correct patient markers and identification.
- General radiation protection and MRI safety.
- Efficiency use of time and energy
- Student evaluation of images.

Evaluation Criteria

- In course practical evaluation (45%)*.
- Assessment of student's adherence to rules and regulations (20%).
- Comprehensive exam (35%) **.

* (25% for x-ray radiographic procedures versus 20% for CT and MR procedures)

** It covers the following topics (Radiation physics, Radiographic image processing and exposure, Radiographic image quality, Digital image processing, radiation protection, Radiographic procedures of the central and peripheral musculoskeletal system).