



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Radiologic Technology Department**

RA488 Clinical Practice 4

Second Semester 2022-2023

**Course Catalog**

6 Credit Hours. In this period you will spend 12 weeks in the Radiology Department in different hospitals. During this period, the aim is for you to grasp adequate opportunity to apply concepts learned in your second, third, and fourth years in the performance of radiologic activities in the clinical setting. The program intends to utilize all of the major affiliates for the Medical Diagnostic Imaging students' clinical assignments. The students will be assigned and evaluated on the general function of radiology, observe, assist with, and perform radiographic examinations, and assist in all aspects of the radiology department procedures. Your clinical grade will be determined from a number of sources. Specifically you will gather points from your clearances, clinical evaluations, film critiques, and the final examination. You will lose points for inappropriate behaviors, tardiness, and lack of attendance and skill.

**Text Book**

|                          |   |
|--------------------------|---|
| <b>Title</b>             | Bontrager's Textbook of Radiographic                                |
| <b>Author(s)</b>         | John Lampignano MEd RT(R) (CT), Leslie E. Kendrick MS RT(R)(CT)(MR) |
| <b>Edition</b>           | 10th Edition  |
| <b>Short Name</b>        | 1   |
| <b>Other Information</b> |   |

**Course References**

| Short name | Book name                             | Author(s)           | Edition     | Other Information |
|------------|---------------------------------------|---------------------|-------------|-------------------|
| 2          | Computed Tomography for Technologists | Louis E. Romans     | 2nd Edition |                   |
| 3          | MRI at a glance                       | Catherine Westbrook | 3rd Edition |                   |

**Instructor**

|                 |                        |
|-----------------|------------------------|
| Name            | Dr. Haytham Al Ewaidat |
| Office Location | Vice Dean Office       |

|              |   |
|--------------|---|
| Office Hours | Sun : 10:30 - 12:30<br>Mon : 14:30 - 15:30<br>Tue : 10:30 - 11:30<br>Wed : 14:30 - 15:30<br>Thu : 14:30 - 15:30 |
| Email        | haewaidat@just.edu.jo   |

| Class Schedule & Room  |
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| Section 1:<br>Lecture Time: Mon, Wed : 08:30 - 14:30<br>Room: HOSPITAL |

| Teaching Assistant        |
|---------------------------|
| Rasha Elshayib(Section 1) |

| Prerequisites |                           |                      |
|---------------|---------------------------|----------------------|
| Line Number   | Course Name               | Prerequisite Type    |
| 144870        | RA487 Clinical Practice 3 | Prerequisite / Study |

| Tentative List of Topics Covered |  |            |
|----------------------------------|--|------------|
| Weeks                            | Topic  | References |
| Week 1                           | PERIPHERAL OSSEOUS SYSTEM IMAGING (CONVENTIONAL X-RAY) | From 1     |
| Week 2                           | PERIPHERAL OSSEOUS SYSTEM IMAGING (CONVENTIONAL X-RAY) | From 1     |
| Week 3                           | CENTRAL OSSEOUS SYSTEM IMAGING (CONVENTIONAL X-RAY)    | From 1     |
| Week 4                           | CENTRAL OSSEOUS SYSTEM IMAGING (CONVENTIONAL X-RAY)    | From 1     |
| Week 5                           | BONE MINERAL DENSITOMETER                              | From 1     |
| Week 6                           | FLUOROSCOPIC AND SPECIAL PROCEDURES                    | From 1     |
| Week 7                           | FLUOROSCOPIC AND SPECIAL PROCEDURES                    | From 1     |
| Week 8                           | ANGIOGRAPHY  | From 1     |
| Week 9                           | ANGIOGRAPHY  | From 1     |
| Week 10                          | COMPUTED TOMOGRAPHY                                    | From 2     |
| Week 11                          | COMPUTED TOMOGRAPHY                                    | From 2     |
| Week 12                          | COMPUTED TOMOGRAPHY                                    | From 2     |
| Week 13                          | MAGNETIC RESONANCE IMAGING                             | From 3     |
| Week 14                          | MAGNETIC RESONANCE IMAGING                             | From 3     |
| Week 15                          | MAGNETIC RESONANCE IMAGING                             | From 3     |

|         |          |   |
|---------|----------|---|
| Week 16 | Revision | From <b>1</b> ,<br>From <b>2</b> ,<br>From <b>3</b> |
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