**Special Radiographic Techniques -2-**

**(RAD 352)**

**2021**

**Contents of the Course /syllabus**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| week |  | Date | Topic | Lecture | Practical |
| 1 |  |  | Introduction |  |  |
| 2 | Part (1)  Fluoroscopy | 05/09/2021 | fluoroscopy equipment. |  |  |
| 3 | 12/09/2021 | Contrast medium in fluoroscopy. |  |  |
| 4 | 19/09/2021 | Radiation protection during fluoroscopy. |  |  |
| 5 | 26/09/2021 | Fluoroscopic Investigations Of The Gastrointestinal Tract. |  |  |
| 6 | 03/10/2021 | Urinary Tract examinations. |  |  |
| 7 | 10/10/2021 | Biliary tract. |  |  |
| 8 | 24/10/2021 | Hysterosalpingography. |  |  |
| 9 | 31/10/2021 | Arthrography , sailography. |  |  |
| 10 | Part (2)  Angiography | 07/11/2021 | Technique  of angiography |  |  |
| 11 | 14/11/2021 | Angiography applications | *1.CEREBRAL Angiography*  2.abdominal and thoracic aortography..ect. |  |
| 12 | 21/11/2021 | Venography and Venous Ultrasound Imaging |  |  |
| 13 | 28/11/2021 | Computed Tomography Angiography (CTA) and Magnetic Resonance Angiography (MRA) |  |  |
| 14 | 05/12/2021 | vascular and Non-vascular interventional procedures |  |  |
| 15 | Revision | 12/12/2021 |  |  |  |

|  |  |
| --- | --- |
| Assessment Methods: |  |
| 1. First written examination | 20 marks Fluroscpy part |
| 1. Second written examination | 20 marks Angiography part |
| 1. Practical project/exam | 20 marks for both parts |
| 1. Final written examination | 40 marks |

**Learning Resources**

|  |
| --- |
| **1. List Required Textbooks**   * Textbook of Radiographic Positioning and Related Anatomy, 8th Edition * Frank, E., Long, B., & Smith, B. Merrill's Atlas of Radiographic Positioning and Procedures, Vol.2 (latest edition.). Publisher: Mosby. |
| **2. List Essential References Materials (Journals, Reports, etc.)**   1. Chapman & Nakielny's Guide to Radiological Procedures,6th edition 2. Handbook of Interventional Radiologic Procedures 5th Edition |
| **3.** **List Recommended Textbooks and Reference Material (Journals, Reports, etc)**  Resources at:   * http://www.diagnosticimaging.com/ * <http://www.journals.elsevierhealth.com/periodicals/yradi> |