**BMR 3217 - ADVANCED THERAPY TECHNIQUE**

Course description:

The course requires the participant to demonstrate the ability to perform radiotherapy techniques whole body radiation and interstitial radiotherapy. Contents of course BMR 3215 are described further in this course.

Purpose:

To facilitate the student carry out advanced radiotherapy procedures and whole body radiation as well as demonstrate appropriate professional conduct with patients.

Course objectives By the end of the course, the student should be able to:

1. Demonstrate ability to carry out advanced radiotherapy techniques for the pelvis, abdomen, whole body radiation and intestinal radiotherapy.

2. Apply principles of radiation protection when carrying out advanced techniques

3. Demonstrate good professional conduct when handling patients

Expected outcomes/Competencies:

1. Ability to perform advanced therapy techniques

2. Ability to carry out whole body radiation and interstitial therapy

3. Application of radiation protection principles during therapy procedures

Course content:

• Radiotherapy techniques for; the pelvis; abdomen; whole body radiation further interstitial radiotherapy.

• Communication skills

• Principles of radiation protection in radiotherapy

• Twenty treatment procedures and ten planning procedures must be entered in the logbook.

Delivery methods:

Over-view lectures, Small group tutorials with a Tutor, Self-directed study, Wrap-up seminars, Question and answer sessions, Skills training, Assignments, practicals and Videos for watching.

Assessment strategies: There shall be an assessment blue-print for assessment.

Formative and summative assessment shall be conducted through MCQs. Essays, short answer questions, Objective Structure Clinical Examination (OSCE), Objective Structure Practical Examination (OSPE) and logbook/ Portfolio

Course duration: 5 Weeks

Requirements: 75 CH, 5CU Resources & Infrastructure available:

Libraries, Book banks, Tutorial rooms, Computer services and internet, Content experts and audiovisual materials/ resources. Radiotherapy (Laboratory) rooms, And IT Lab