# ISSUED August, 2003

# REVISED February, 2012

# SUPERSEDES

# TITLE Dosimetrist I CLASSIFICATION GRADE 06

# SPECIALTY GRADE 53

## BASIC FUNCTION AND RESPONSIBILITY

Calculate and monitor radiation absorbed doses to patients undergoing radiation therapy.

## CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Generate radiation treatment plans incorporating image data with radiation beam data via three-dimensional treatment planning computer systems.

Check treatment plans and medical records for patients receiving radiation therapy, and ensure that radiation doses are accurate and delivered in accordance with the treatment prescription and state regulations.

Construct treatment devices and special treatment aids as required for a specific patient.

Generate treatment plans, assist with application, and ensure proper radiation safety practices for brachytherapy treatments.

Assist in calibration, performance testing, and quality assurance of radiation therapy equipment and report repair problems to appropriate personnel.

Assist radiation physicist in calibration procedures and radiation surveys required to ensure radiation safety of patients, personnel, and the general public.

Maintain effective working relationships with faculty, staff, students and the public.

*In addition to the duties and responsibilities noted above, the position description must include statements from*[*UI Health Care Core Values (WECARE)*](https://uihc.org/mission-vision-and-core-values)*for Health Care positions or*[*Universal Competencies*](https://hr.uiowa.edu/careers/competencies/universal-competencies)*for all other positions.*

### SUPERVISION RECEIVED

Supervision is received from Chief Medical Dosimetrist or other designated official.

SUPERVISION EXERCISED

No supervision is exercised.

## QUALIFICATIONS

A Bachelor’s degree in a basic science or an equivalent combination of education and related experience in radiologic technology is required.

Expectation that dosimetrist meet the current eligibility requirements set forth by the MDCB (Medical Dosimetrist Certification Board) for certification.

Excellent written and verbal communication skills are required.

Experience in IMRT (Intensity-Modulated Radiation Therapy) and SBRT (Stereotactic-Body Radiation Therapy) treatment planning is highly desirable.

Experience in ICRT (Image-Guided Radiation Therapy) and Multi-Modality treatment planning is highly desirable.