

DENT 55A - Dental Roentgenography

Scope and objectives as required by American Dental Association and CA Code of Regulations

- A. Course and professional requirements
- B. Knowledge of the history of x-ray in dentistry and various terms applicable to dental radiography
- C. Components and function of the dental x-ray equipment
- D. Components and function of the tubehead
- E. Equipment and care of equipment used in digital imaging
- F. Properties and principles of the emission of x-rays, its biological effects and sources
- G. Mounting of radiographs according to accepted dental practice standards
- H. Technique, placement, exposure, and processing of the dental receptors to produce three full mouth surveys (FMS) radiographic surveys, two bitewing surveys (BWS) on a manikin using the parallel method to produce diagnostically acceptable radiographic images
- I. Application of infection control protocol in treatment areas and dark room
- J. Placement of receptors and the position indicating device (PID) on classmates
- K. Hazards and maximum permissible dose, and the application of the protective considerations when working with x-radiation equipment for
 1. patient
 2. operator
 3. additional personnel in office
- L. Evaluation of radiographic digital images to assess errors and indicate proper methods for correction