

## **DENT 55B - Dental Roentgenography**

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

- A. Course and professional requirements
- B. Policy on infection control and use of radiation in reference to radiographic safety and patient management
- C. Legal aspects related to ownership of dental radiographs
- D. Need for an occlusal examination and accurately expose a maxillary and mandibular image using a topographic exposure
- E. Exposure techniques for the child patient and disto-oblique images on manikin
- F. Differences in growth and development of oral structures and identify on radiographic images
- G. Normal dental anatomical structures and possible pathological conditions, anomalies, or restored dentition
- H. Radiographic digital images to assess errors and indicate proper methods for correction
- I. Analysis of the ways in which a radiograph is used in the areas of dental caries, pulp diseases, bone sclerosis, periodontal disease, and other special problems
- J. Accepted technique for patient positioning, receptor placement, angulation, and exposure
- K. Techniques and considerations used for patient management when exposing patients with anatomical individual difference in size, shape or missing dentition and management skills for the special patient
- L. Receptor placement, PID placement, and advantages and disadvantages when using the bisecting technique
- M. Identification of landmarks and mounting of dental digital images according to accepted dental standards
- N. Difference in technique necessary to expose a full mouth survey on an edentulous patient
- O. Lateral jaw exposures, TMJ exposures, panoramic and cephalometric exposures
- P. Analysis of panoramic images and corrections of exposure
- Q. Infection control protocol in the treatment room
- R. Anatomic landmarks found on panoramic receptors
- S. Patient education in the area of dental radiography and how photography in the dental practice can enhance this
- T. Basic concepts of digital imaging, including but not limited to the purpose, use and fundamentals