Course Prefix and Number: DNA 135  Credits: 2

Course Title: Dental Radiation Safety

Course Description (including lecture hours, lab hours, total contacts)
Studies techniques and devices used for protection from ionizing radiation. Teaches biological effects, cell sensitivity and genetic effects of ionizing radiation. Includes practice of bisection and parallel techniques on mannequins. Prepares employed dental staff to meet the Virginia Board of Dentistry’s regulations for certification in dental radiation safety hygiene. Lecture 1 hour. Laboratory 3 hours. Total 4 hours per week.

General Course Purpose
State Certification for on-the-job trained dental assistants

Course Prerequisites/Corequisites
None

Course Objectives
Upon completing the course, the student will be able to:
- Follow guidelines for radiation safety
- Expose intraoral and extraoral radiographs
- Process radiographs and mount correctly

Major Topics to be Included
- Oral Anatomy, morphology, numbering system
- X-ray properties, Radiation Biology and Protection
- Intraoral and extraoral techniques
- Processing and mounting

Effective Date of Course Content Summary (Month, Date Year): February 12, 2009