

21 NCAC 16H .0106 DENTAL RADIOLOGY INSTRUCTOR COURSE REQUIREMENTS

(a) All instructors of a dental radiology course shall successfully complete a Board-approved instructor's course that covers the following topics:

- (1) foundational concepts of teaching including developing a syllabus, establishing course objectives, adjusting to different learning styles, and developing grading criteria;
- (2) a review of basic radiography, including:
 - (A) radiation history and physics;
 - (B) radiography techniques;
 - (C) radiography errors;
 - (D) radiography equipment, including hand-held devices;
 - (E) patient protection; and
 - (F) anatomy;
- (3) a review of sanitation, sterilization, and infection control standards and techniques, including the Rules in Subchapter 16J;
- (4) guidance on educational activities designed for the laboratory portion of the dental radiography course including demonstrations of shadow casting, paralleling technique, patient shielding and safe operator distancing; evaluation of occupational dose limits, and labeling diagrams of radiography equipment;
- (5) administration of written examinations to students;
- (6) examination of students' clinical skills in the laboratory including:
 - (A) evaluation and correction of student errors in radiographs;
 - (B) explanation of the physics and geometry of bisecting and paralleling techniques; and
 - (C) demonstration and explanation to students of inaccuracies in angulation;
- (7) a review of the requirements set forth in the following:
 - (A) 21 NCAC 16H .0105 of this Section;
 - (B) 10A NCAC 15;
 - (C) The Radiation Protection Guide for medical, dental, and veterinary arts published by the Radiation Protection Section of the Division of Health Services of the North Carolina Department of Health and Human Services available at no cost at <https://radiation.ncdhhs.gov/xray/documents/healartsprog.pdf>;
 - (D) The Hand-Held Dental X-Ray Guide published by the Radiation Protection Section of the Division of Health Services of the North Carolina Department of Health and Human Services available at no cost at <https://radiation.ncdhhs.gov/xray/documents/handhelddentgud.pdf>; and
 - (E) Entrance Skin Exposure Facts - Dental published by the Radiation Protection Section of the Division of Health Services of the North Carolina Department of Health and Human Services available at no cost at <https://radiation.ncdhhs.gov/xray/documents/eseguide.pdf>

(b) The instructor course may apply toward fulfillment of the continuing education requirements, including the requirements of 21 NCAC 16H .0105(b)(6)(B), and all existing dental radiology instructors must successfully complete the instructor course on or before December 31, 2028.

(c) Beginning on January 1, 2029, all instructors must complete a Board-approved instructor's course before teaching a dental radiology course.

History Note: *Authority G.S. 90-29(c)(12); 90-48;*
 Eff. August 1, 2026.