DA 135 : DENTAL RADIOLOGY II

Transcript title

Dental Radiology II

Credits

4

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

20

Other hours

40

Prerequisites

DA 134.

Corequisites

DA 120, DA 130, DA 151, DA 181, DA 190.

Course Description

Focuses on the integration of knowledge and skills acquired during DA 134 – Dental Radiology I as the student transitions from the didactic study of radiography to the lab and clinical application. Performance of diagnostic exposure techniques using a variety of image receptors to a predetermined level of competency on both lab manikins and clinical patients. Interpretation of radiographic images for exposure and technique errors, anatomic landmarks, restorations, dental materials and diseases. Focuses on clinical patient management, using interpersonal skills and patient education, while adhering to appropriate infection control protocols.

Course learning outcomes

1. Expose, process, mount and evaluate a minimum of three full-mouth radiographic series, comprised of periapical and bitewing techniques, on an adult manikin to a predetermined level of competence.
2. Expose, process, mount and evaluate a minimum of one full-mouth radiographic series, comprised of Periapical and bitewing techniques, on a mixed-dentition manikin to a predetermined level of competence.
3. Expose, process, mount and evaluate digitally a minimum of two full-mouth radiographic series comprised of periapical and bitewing techniques, on a manikin to a predetermined level of competence.
4. Expose, process, mount and evaluate a minimum of three full-mouth radiographic series, comprised of periapical and bitewing techniques, on a variety of patients to a predetermined level of competence.
5. Identify and interpret exposure and technique errors on a variety of radiographic films and determine how to correct them.
6. Describe the infection control procedures that are necessary before, during and after radiation exposure.
7. Discuss the major legal issues associated with dental radiography.
8. Describe methods of patient management using interpersonal skills and education.
9. Identify and interpret anatomic landmarks on a variety of radiographs, including periapical, bitewing, occlusal and panoramic films.
10. Identify and interpret a wide array of restorations, dental materials and dental diseases on a variety of radiographic films.
11. Expose a diagnostic panoramic film on an x-ray manikin.
12. Identify and interpret anatomic landmarks on a panoramic x-ray film.
13. Demonstrate a basic understanding of extra-oral imaging including cone- beam computed tomography and cephalometric techniques.