



BAKER COLLEGE

STUDENT LEARNING OUTCOMES

DHY 2520 Radiography Interpretation
1 Semester Hour

Student Learning Outcomes

1. Classify normal anatomical structures according to their radiographic density.
2. Review and identify the radiographic landmarks of the head and neck region:
3. Analyze the indications and limitations of panoramic radiographs.
4. Review and identify the radiographic landmarks of the maxilla.
5. Review and identify the radiographic landmarks of the mandible.
6. Differentiate between molars, premolars, cuspids and incisors on all types of radiographic films.
7. Differentiate between enamel, dentin, cementum and pulp of a tooth on radiograph.
8. Compare the lamina dura, periodontal ligament space, and the alveolar crest on a radiograph.
9. Classify radiographic errors into the following groups: technique errors, exposure errors, processing errors.
10. Analyze the cause, and be able to identify common radiographic errors.
11. Identify common restorative materials on a radiograph.
12. Identify foreign objects on a radiograph.
13. Solve clinical problems utilizing the buccal object rule and the object magnification rule.
14. Identify, on a radiograph, common defects associated with teeth.
15. Identify and classify dental caries on a radiograph.
16. Differentiate between caries and cervical burnout on a radiograph.
17. Identify and distinguish among conditions associated with periodontal disease on a radiograph.
18. Classify and Identify periapical lesions on a radiograph.
19. Differentiate among common radiopaque lesions on a radiograph.
20. Assess possible diagnoses for a radiopaque lesion of unknown origin.
21. Differentiate among common radiolucent lesions on a radiograph.
22. Assess possible diagnoses for a radiolucent lesion of unknown origin.
23. Assess two complete radiographic surveys for caries, calculus, periodontal concerns, pathology, restorations and normal anatomy.
24. Analyze the effect of changing variables on image density, contrast and quality.
25. Discuss the production and processing of x-rays.
26. Assess the effects of radiation on human tissues.

These SLOs are not approved for experiential credit due to National and Regional Board Exam requirements.

Effective: Fall 2017