COURSE NO., HOURS, AND TITLE: DH 219–1 Dental Radiology II

INSTRUCTOR: TBD

INSTRUCTOR CONTACT INFORMATION:
Telephone: TBD
E-mail: TBD
Office Location: TBD
Office Hours: TBD

COURSE DESCRIPTION:
The student will learn special dental survey techniques including paralleling, bisecting angle, digital, occlusal and special views. The student will also identify anatomical landmarks and recognize normal and pathological conditions that appear on dental images. Lecture two hours. Course length: 16 weeks. Must be concurrently enrolled in DH 219L. Prerequisites: DH 218, DH 218L and DH 226. Restricted to DH majors only and approval from the School of Allied Health or the DH program.

COURSE OBJECTIVES:
The student must be able to:

1. Describe the concept of bisecting angle technique.
2. Utilize occlusal radiographs for the evaluation of anomalies or lesions in the oral cavity.
3. Comprehend the application of dental panoramic radiography.
4. Know the reasoning and different uses of intensifying screens in panoramic exposures.
5. Know the radiographic anatomy on a panoramic and occlusal image.
6. Utilize techniques to handle complex situations and special needs patients in a radiographic situation.
7. Recognize alternative techniques to achieve the best image possible.
8. Recognize the radiographic appearance and landmarks of the maxilla and mandible.
9. Recognize normal anatomical structures on panoramic and occlusal films.
10. Identify the steps taken to interpret radiographs.

11. Detect caries and periodontal disease on a radiograph and determine the different classifications of both entities.

12. Interpret periapical pathology as well as other apical and pulpal findings.

13. Determine types of traumatic injury of teeth and how to interpret on a radiographic image.

14. Review the manual processing technique.

15. Recognize and identify different types of restorative materials, and other materials and/or foreign objects commonly seen on dental radiographs.

16. Recognize different developmental anomalies that can be seen on dental radiographs.

CONTENT OUTLINE:

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<thead>
<tr>
<th>Topics</th>
<th>Percentages</th>
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<tbody>
<tr>
<td>I. Review on Manual Processing/Film Duplication</td>
<td>10%</td>
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<tr>
<td>II. Infection Control and the Dental Radiographer</td>
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<tr>
<td>III. Panoramic Imaging</td>
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<td>IV. Interpretation of Periodontal Disease</td>
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<td>V. Interpretation of Dental Caries</td>
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<td>VI. Normal Anatomy: Panoramic Films</td>
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<tr>
<td>VII. Bisecting Technique/ Occlusal &amp; Localization Techniques</td>
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<td>VIII. Identification of Restorations, Dental Materials, and Foreign Objects</td>
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<tr>
<td>IX. Interpretation of Trauma and Pulpal &amp; Periapical Lesions</td>
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<tr>
<td>X. Digital Imaging</td>
<td>20%</td>
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</tbody>
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TEXTBOOKS:

REQUIRED:
Iannucci Haring, J. & Jansen Howerton, L. (2012). *Dental radiography*

RECOMMENDED: