

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

**ACADEMIC AFFAIRS**

Course Number: DAST 203/DAST 203 L Department: Dental Assistant

Course Title: Dental Radiology 2 Semester: Spring Year: 1997

**Objectives/Competencies**

<b>Course Objective</b>	<b>Competencies</b>
<ol style="list-style-type: none"><li>1. Demonstrate knowledge of the principle theory and the practical application of the parallel and bisect-the-angle radiographic technique during clinical and patient lab requirements.</li><li>2. Identify abnormal arch morphology in the patient and apply the corrective procedures that will result in a film or film series of good diagnostic quality.</li><li>3. Demonstrate the practical application of the radiographic technique and modifications for completing a survey for the edentulous and partially edentulous patient.</li><li>4. Demonstrate the practical application of the radiographic technique and modifications for completing a survey for the edentulous and partially edentulous patient.</li><li>5. Demonstrate clinical skills during film handling and darkroom and automatic processing methods which assure quality control and standard results with radiographic images of good diagnostic value.</li><li>6. Identify the probable causes of faulty radiographs due to</li></ol>	<ol style="list-style-type: none"><li>1. Interpret obtained facts through review, identification, definition and explanation.</li><li>2. Demonstrate the expertise and competency applied to the clinical practical skill.</li></ol>

Course Objective	Competencies
<p>exposure errors, incorrect film positioning procedures and incorrect processing techniques and demonstrate knowledge and skills for corrections.</p> <ol style="list-style-type: none"> <li>7. Identify the areas of professional responsibility regarding the practice of safe radiation hygiene for the operator and the patient.</li> <li>8. Demonstrate proficiency in mounting complete adult, full mouth survey of safe radiation hygiene for the operator and the patient.</li> <li>9. Demonstrate practical skills for the specialized technique utilized for localization in dental radiography.</li> <li>10. Identify and locate the anatomical landmarks, dental materials, film handling and film processing errors and pathology that can be present in a complete radiographic survey of a patient.</li> <li>11. Demonstrate proficient skills and measures to implement a dental radiographic quality control program in a dental office.</li> <li>12. Demonstrate proficient skills in applying principles of panoramic radiography during patient exposure and processing techniques.</li> <li>13. Demonstrate infection control measures that include disinfection and maintenance of dental radiographic equipment and instruments according to EPA, CDA and OSHA guidelines.</li> <li>14. Demonstrate proficiency in adhering to an infection control program within the clinical setting under the</li> </ol>	

<b>Course Objective</b>	<b>Competencies</b>
<p>guidelines of OSHA and CDC that apply to dental radiographic exposure and processing procedures.</p> <p>15. Demonstrate the application of the lead collimation as a measure of reducing radiation exposure to the patient.</p>	