MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the College-wide Curriculum Committee.

DEPT. Dental Assisting                      COURSE NO. 1105

NUMBER OF CREDITS: 3 (2 lecture, 1 lab)

COURSE TITLE: Oral Radiology II

CATALOG DESCRIPTION
This course will give the student the opportunity to develop and apply their skills in exposing and evaluating diagnostic radiographs with minimum exposure to the patient. This course will also cover the laws set forth by the Minnesota Department of Health in relation to exposing radiographs on patients. (credits: 2 lec / 1 lab)

AUDIENCE: Dental Assistant Students

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)
Area : by meeting the following competencies:
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PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: DEN 1105

LENGTH OF COURSE: 16 weeks

THIS COURSE IS USUALLY OFFERED:
Every year X    Every other year □
Fall    Spring X    Summer □    Undetermined □

FOUR GOALS ARE EMPHASIZED IN COURSE AT MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE:

1. ACADEMIC CONTENT:
   This course will prepare the student to apply knowledge of intraoral radiological principles and techniques in a clinical setting while demonstrating radiation protection for both the patient and the operator.

2. THINKING SKILLS:
   a. Clinically demonstrate abstract concepts as they apply to dental radiology practice
b. Problem solving skills associated with determining correction of image errors to reduce patient and operator exposure

3. COMMUNICATIONS SKILLS:
   a. Demonstrate and develop communication skills through interaction in classroom, lab, and clinical setting
   b. Demonstrate pertinent communication skills as they apply to interaction with and education of patients undergoing dental radiographic procedures

4. HUMAN DIVERSITY:
   a. Utilize skills for the diverse constitutions of individual patients and how they may affect the efficient administration of dental x-ray procedures

TOPICS TO BE COVERED

1. Dental X-ray Film
3. Film Processing Problems and Solutions
4. Duplicating Radiographs
5. Quality Assurance
6. Identification of Dental Restorations, Materials and Foreign Objects
7. Extraoral Dental Radiography
8. Interpretation of Dental Caries
9. Interpretation of Periodontal Disease
10. Interpretation of Trauma, Pulpal, and Periapical Lesions
12. Radiation Safety Officer Requirements

LIST OF EXPECTED COURSE OUTCOMES:
1. Clinical understanding and application of basic dental radiology theory in the production of x-rays, x-ray characteristics, exposing, and evaluation of dental radiographs.
3. Perform dental radiology in the safest manner to protect patients and operators.

LEARNING/TEACHING TECHNIQUES used in the course are:

- X Collaborative Learning
- X Problem Solving
- X Student Presentations
- X Interactive Lectures
- X Creative Projects
- X Individual Coaching
- X Lecture
- X Films/Videos/Slides
- X Demonstrations
- X Lab
ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading
X Individual Projects
X Worksheets
X Textbook Problems
X Group Problems
X Tests

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

Students are expected to be able to perform two handed clinical and lab procedures which require sitting on a dental assisting stool for relatively long periods. Vision and hearing impairments may limit the ability to perform actual aspects of dental assisting.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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The information in this course outline is subject to revision

Updated Spring 2019