

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

**DEPT. DEN**

**COURSE NUMBER: 1105**

**NUMBER OF CREDITS: 3**

**Lecture: 2 Lab: 1 OJT: 0**

<b>Course Title:</b>
Oral Radiology II

<b>Catalog Description:</b>
Oral Radiology II gives 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.

<b>Prerequisites or Necessary Entry Skills/Knowledge:</b>
DEN 1100

**FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)**

- ☐ Goal 1: Communication: By meeting the following competencies:
- ☐ Goal 2: Critical Thinking: By meeting the following competencies:
- ☐ Goal 3: Natural Sciences: By meeting the following competencies:
- ☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ☐ Goal 7: Human Diversity: By meeting the following competencies:
- ☐ Goal 8: Global Perspective: By meeting the following competencies:
- ☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ☐ Goal 10: People and the Environment: By meeting the following competencies:

<b>Topics to be Covered</b>
Dental x-ray film
Automatic & Manual Processing
Film Processing problems and solutions
Duplicating radiographs
Quality assurance
Identification of dental restorations, materials and foreign objects
Extraoral dental radiography
Interpretation of dental caries
Interpretation of periodontal disease

Interpretation of trauma, pulpal, and periapical lesions
Minnesota Department of Health regulatory guide for Dental x-ray facilities
Radiation safety officer requirements
Infection Control in Dental Radiology
Digital/3D Imaging

<b>Student Learning Outcomes</b>
Clinical application of dental radiology.
Demonstrate proper infection control procedures for dental radiography.
Apply dental radiology safety principles for protection of patients and operators.
Describe the Minnesota Department of Health Regulatory Guidelines for Dental X-ray Facilities.
Identify dental radiography errors and corrective actions.

<b>Is this course part of a transfer pathway:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>*If yes, please list the competencies below</i>

Revised Date: 1/18/2022