## Course Outline

### Course Title:
Oral Radiology I

### Catalog Description:
Oral Radiology I introduces the student to fundamental principles of dental radiography. An emphasis is placed on x-ray production, radiation safety, exposure techniques, and evaluation of radiographs. Application of principles and techniques will be performed on lab manikins.

### Prerequisites or Necessary Entry Skills/Knowledge:
ENGL 0090 or placement by multiple measures. DEN 1110 may be taken concurrently.

### 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:

### Topics to be Covered
- Radiation Physics
- Radiation Characteristics
- Radiation Biology
- Radiation Protection
- X-ray Equipment
- X-ray Image Characteristics
- Radiographer Basics
- Radiographic Exams
- Paralleling and Bisecting Techniques
Student Learning Outcomes
Describe basic theory of dental radiography physics, characteristics, and biology.
Demonstrate radiation protection.
Identify exposure and technique errors.
Demonstrate correct intra-oral radiographic techniques.

Is this course part of a transfer pathway:  Yes ☐  No ☒
*If yes, please list the competencies below

Revised Date:  1/18/2022