

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

**DEPT. DEN**

**COURSE NUMBER: 1140**

**NUMBER OF CREDITS: 3**

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

<b>Course Title:</b>
Dental Materials

<b>Catalog Description:</b>
Dental Materials covers materials used in dentistry. It will include information on properties as well as practical lab applications of the materials.

<b>Prerequisites or Necessary Entry Skills/Knowledge:</b>
ENGL 0090 or placement by multiple measures.

**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>
Laboratory equipment and safety
Properties of dental materials
Gypsum
Impression trays and waxes
Impression materials
Dental cements
Restorative materials

## Student Learning Outcome

Demonstrate laboratory safety measures.

Describe properties of dental materials.

Describe the properties and composition of the following materials:

- a. Gypsum
- b. Impression materials
- c. Cements
- d. Restorative materials
- e. Tray materials and waxes

Demonstrate the use of the following materials:

- a. Gypsum
- b. Impression materials
- c. Cements
- d. Restorative materials
- e. Tray materials and waxes

Is this course part of a transfer pathway: Yes ☐ No ☒

*\*If yes, please list the competencies below*

Revised Date: 1/18/2022