

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. DEN

COURSE NUMBER: 1140

NUMBER OF CREDITS: 3

Lecture: 2 Lab: 1 OJT 0

Course Title:

Dental Materials

Catalog Description:

Dental Materials covers materials used in dentistry. It will include information on properties as well as practical lab applications of the materials.

Prerequisites or Necessary Entry Skills/Knowledge:

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:

Topics to be Covered

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