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 Collegewide Curriculum Committee.

DEPT. DEN COURSE NO. DEN 1140

NUMBER OF CREDITS: 3 (2 lec. 1 lab)

COURSE TITLE: Dental Materials

CATALOG DESCRIPTION:
This course will cover materials used in dentistry. It will include information on properties as well as practical lab applications of the materials.
3 Cr (2 lect/pres, 1 lab, 0 other)

AUDIENCE: Students enrolled in the Dental Assisting Program

FULFILLS MN TRANSFER CURRICULUM AREA(S) (NONE)

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: NONE

LENGTH OF COURSE: 1 semester

THIS COURSE IS USUALLY OFFERED:
Every other year [ ] fall X spring [ ] summer [ ] undetermined [ ]

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT:
   a. Describe the properties and manipulation of various dental materials

2) THINKING SKILLS:
   a. Determine the differences between the various types of dental materials
   b. Determine the manipulation techniques of various materials

3) COMMUNICATIONS SKILLS:
   a. Improve communication skills through interaction in class
   b. Understand pertinent communication skills as they apply to interaction with and education of patients undergoing dental procedures

4) HUMAN DIVERSITY:
   c. Understand that each individual patient has unique needs
d. Interaction with other students in the lab

TOPICS TO BE COVERED: Properties of dental materials, Gypsum, Impression Materials, Dental Cements, Amalgam, Composite restorative material, Metals, acrylic materials and waxes

LIST OF EXPECTED COURSE OUTCOMES:
1. Demonstrate laboratory safety measures
2. Describe general properties of materials
3. Describe the properties and composition of the following dental materials and demonstrate their use.
   a. gypsum
   b. impression materials
   c. cements
   d. restorative materials
   e. waxes
   f. acrylics

LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Problem Solving
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Films/Videos/Slides

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Tests
- Individual Projects
- Oral Presentations
- Worksheets
- Collaborative Projects
- Textbook Problems
- Papers
- Portfolio
- Group Problems
- Term Paper
- Performance evaluations

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.

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.*

*Revised Fall 2016*