

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. DEN

COURSE NUMBER: 1110

NUMBER OF CREDITS: 3

Lecture: 3 Lab: 0 OJT: 0

### Course Title:

Dental Science

### Catalog Description:

Dental Science describes the anatomy and physiology of the muscular, skeletal, circulatory and nervous systems of the head and neck regions. Specific bones, muscles, arteries, veins and nerves will be identified. The structures, functions and development of the oral cavity will be discussed. The various methods of tooth identification will also be covered.

### Prerequisites or Necessary Entry Skills/Knowledge:

### 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

General Anatomy and Physiology of Muscular, skeletal, cardiovascular, and nervous systems

Head and neck anatomy

Oral Embryology/histology

Tooth Morphology

Structures of the face and oral cavity

Temporomandibular Joint structures and functions

<b>Student Learning Outcomes</b>
Describe the anatomy and physiology of the muscular, skeletal, cardiovascular, and nervous systems pertaining to the head and neck region.
Describe and identify all teeth in the oral cavity.
Describe and identify anatomical structures of the oral cavity
Describe and identify TMJ structures and functions.

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

Revised Date: 1/18/2022