Faculty members 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 Academic Affairs and Standards Council.

**DEPT.** DEN  **COURSE NUMBER:** **1110**

**NUMBER OF CREDITS:** __3__  **Lecture:** __3__  **Lab:** __0__

<table>
<thead>
<tr>
<th>Course Title:</th>
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<tbody>
<tr>
<td>Dental Science</td>
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<tr>
<th>Catalog Description:</th>
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<td>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.</td>
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**FULFILLS MN TRANSFER CURRICULUM AREA(S)**

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:
### Prerequisites or Necessary Entry Skills/Knowledge:
Students must meet one of the following placement measures:
- A score of 50 - 77 on test ACCUPLACER Classic Reading Comprehension
- A score of 233 - 249 on test ACCUPLACER Next-Gen Reading Comprehension
- A score of 16 - 17 on test ACT English
- A score of 14 - 20 on test ACT Reading
- ENGL 0090 – Essentials of Writing I

### 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

### Student Learning Outcomes
1. Describe the anatomy and physiology of the muscular, skeletal, cardiovascular, and nervous systems pertaining to the head and neck region
2. Describe and identify all teeth in the oral cavity
3. Describe and identify anatomical structures of the oral cavity
4. Describe and identify TMJ structures and functions

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

Revised 4/20