DHYG 156 ORAL ANATOMY

A. **TITLE:** ORAL ANATOMY

B. **COURSE NUMBER:** DHYG 156

C. **CREDIT HOURS:** 2 CREDITS

D. **WRITING INTENSIVE COURSE:** NO

E. **COURSE LENGTH:** 15 WEEKS

F. **SEMESTER(S) OFFERED:** FALL

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
   1 HOUR OF ONLINE LECTURE AND TWO HOURS OF FACE TO FACE LAB TIME

H. **CATALOG DESCRIPTION:** This is a hybrid course that blends traditional classroom time with online instruction. This course examines the structure and functions of teeth and associated oral tissues and structures. In lab, the student has an opportunity to practice identifying teeth, landmarks in the oral cavity, describing gingiva, classifying occlusion, as well as individual and group malrelationships. Students will attend one hour of online lecture and two hours of laboratory instruction in the classroom setting. A minimum grade of “C” is required.

I. **PRE-REQUISITES/CO-COURSES:** Pre-requisite: matriculation in Dental Hygiene. Co-requisite: registration in a DHYG 156 Lab section and DHYG 141 Pre-Clinic Lab and/or permission of the instructor.

J. **GOALS (STUDENT LEARNING OUTCOMES):** By the end of this course, the student will meet the following course learning outcomes which are linked to the institutional learning outcomes. This course provides foundational knowledge for completing dental hygiene competencies: 1.2, 1.3, 1.4, 1.15 and 1.16.

<table>
<thead>
<tr>
<th>Student Learning Outcomes</th>
<th>Institutional Outcomes</th>
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<tbody>
<tr>
<td>1. Compare and contrast the anatomical form and landmarks on permanent and deciduous teeth.</td>
<td>2. Critical Thinking 3. Prof Competency</td>
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<td>2. Differentiate between healthy and unhealthy gingiva.</td>
<td>2. Critical Thinking 3. Prof Competency</td>
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<td>3. Differentiate between a deciduous, mixed and permanent dentition and state the eruption periods for each dentition.</td>
<td>3. Prof Competency</td>
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<td>4. Describe and differentiate between the three facial profiles and Angle’s occlusal classification most commonly associated with each.</td>
<td>2. Critical Thinking 3. Prof Competency</td>
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<td>5. Describe and utilize the Universal, Palmer Notation, and Federation Dentaire Internationale (FDI) numbering systems.</td>
<td>2. Critical Thinking 3. Prof Competency</td>
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<td>6. Identify the anatomical landmarks examined during an extra and intraoral examination.</td>
<td>3. Prof Competency</td>
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* Specific objectives will be distributed with each unit.


L. **REFERENCES:** (on reserve in the library)
M. **EQUIPMENT**: none

N. **GRADING METHOD**: A – F
   A letter grade will be issued utilizing the following conversion table. Students must achieve a minimum C grade in all dental hygiene courses.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>94 - 100</td>
</tr>
<tr>
<td>B+</td>
<td>90 - 93</td>
</tr>
<tr>
<td>B</td>
<td>84 - 89</td>
</tr>
<tr>
<td>C+</td>
<td>80 - 83</td>
</tr>
<tr>
<td>C</td>
<td>75 - 79</td>
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<tr>
<td>D</td>
<td>74 - 70</td>
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<tr>
<td>F</td>
<td>69 or lower</td>
</tr>
</tbody>
</table>

O. **MEASUREMENT CRITERIA/METHODS**:
   - Homework Assignments
   - Tests
   - Lab Practicums
   - Midterm and Final Exam

P. **DETAILED COURSE OUTLINE**:

I. **Tooth Functions & Terms**
   A. Function of Teeth
   B. Anatomical and Clinical Crown
   C. Tooth Tissues
   D. Arch, Set, Class and Type Traits
   E. Tooth Surfaces
   F. Line and Point Angles
   G. Elevations and Depressions

II. **Arrangement of Teeth**
   A. Naming and Coding
   B. FDI
   C. Palmer’s Notation
   D. Universal

III. **Development, Form & Eruption**
   A. Permanent Dentition
   B. Deciduous Dentition
   C. Mixed Dentition

IV. **Fundamental and Preventive Curvatures**
   A. Contact Points
   B. Embrasures
   C. Interproximal Space
   D. Height of Contour

V. **Classes of Teeth**
   A. Incisors
B. Canines
C. Premolars
D. Molars

VI. Supporting Structures
   A. Free Gingiva
   B. Attached Gingiva
   C. Alveolar Mucosa

VII. Facial Profiles, Occlusion and Mal-Relationships
   A. Mesognathic, Prognathic and Retrognathic
   B. Class I Ideal and Class I Malocclusion
   C. Class II, Division I and Class II, Division II
   D. Class III
   E. Individual and Group Mal-Relationships

VIII. Extra and Intraoral Exam Cancer Screening Exam
   A. Landmarks in Oral Cavity
   B. Purpose for Performing Exam
   C. Palpations Utilized
   D. Recording Findings

IX. Dental Anomalies

Q. LABORATORY OUTLINE: same outline as lecture but in lab we label diagrams, look at photos of gingiva, examine extracted teeth, evaluate models of teeth to identify occlusion as well as individual and group mal-relationships. In addition, we meet in the clinic to practice the steps in the extra and intraoral cancer screening examination.