

**DH 70 Course Outline as of Fall 2008****CATALOG INFORMATION**

Dept and Nbr: DH 70

Title: DENT ANAT &amp; TOOTH MORPH

Full Title: Dental Anatomy and Tooth Morphology

Last Reviewed: 9/11/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.50	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.50	Lab Scheduled	2.00	17.5	Lab Scheduled	35.00
		Contact DHR	0		Contact DHR	0
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 140.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

The study of the dental terminology, tooth morphology, structures of the oral cavity, classification of cavities, and charting conditions of the teeth. Aspects related to dental hygiene care such as root morphology, restorative charting, occlusion, and dental anomalies are emphasized.

**Prerequisites/Corequisites:**

Concurrent Enrollment in DH 71A ( or DH 71)

**Recommended Preparation:****Limits on Enrollment:**

Admission to Program

**Schedule of Classes Information:**

Description: The study of the dental terminology, tooth morphology, structures of the oral cavity, classification of cavities, and charting conditions of the teeth. (Grade Only)

Prerequisites/Corequisites: Concurrent Enrollment in DH 71A ( or DH 71)

Recommended:

Limits on Enrollment: Admission to Program

Transfer Credit: CSU;  
Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 1999	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

### **CID:**

### **Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course the student should be able to:

1. Name, locate, and anatomically describe the anatomy of of permanent and primary dentition.
2. Identify and explain the morphologic differences between the primary and permanent dentition to the patient.
3. List the eruption sequence of permanent and primary dentition.
4. Define the descriptive terminology as related to the maxillary/mandibular arches, teeth, and related structures.
5. Differentiate anomalies of both permanent and primary dentition.
6. Demonstrate the Universal, International Standard Organization (ISO) and Palmer systems of charting.
7. Define and interpret the general anatomical terms related to dental anatomy, tooth morphology, and the oral cavity.
8. Describe the classification of occlusion and recognize early signs of deviation in deciduous, mixed, and permanent dentitions.
9. Identify the regions of the head.
10. Analyze and respond to the types of concerns that a parent might ask a dental health care professional regarding the importance and function of primary teeth.
11. Chart existing restorations, dental caries, missing teeth, and dental anomalies on a typodont and person.

### **Topics and Scope:**

#### **A. Dental Nomenclature**

1. Dental anatomy
2. Tooth morphology
3. Oral cavity
4. Tooth naming and coding

#### **B. Tooth Tissues**

#### **C. Tooth Development, Eruption, and Exfoliation**

1. Primary teeth
2. Permanent teeth
- D. Tooth Form and Identification
  1. Primary teeth
  2. Permanent teeth
- E. The Deciduous Formation
  1. Formation
  2. Eruption
- F. The Permanent Dentition
  1. Formation
  2. Eruption
- G. Tooth Numbering Systems
  1. ISO
  2. Palmer
  3. International
- H. Classification of Occlusion
  1. Classes of occlusion
  2. Malocclusion
- I. Anomalies of Teeth
- J. Identification of Intraoral Landmarks

### Assignment:

1. Reading assignments, 10-20 pages per week
2. Occlusion project (research and presentation)
3. Workbook written assignments, 1 per week
4. Quizzes (4-8)
5. Exams (midterm and final)

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, workbook written assignments

Writing  
5 - 10%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving  
0 - 0%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, completion: midterm, final examination

Exams  
40 - 50%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Occlusion project (research and presentation)

Other Category  
40 - 50%

**Representative Textbooks and Materials:**

Clinical Practice of the Dental Hygienist; Wilkins, Esther M., Lippincott Williams & Wilkins, 10th Ed., 2005

Illustrated Anatomy of the Head and Neck; Margaret Fehrenback & Susan Herrig, Elsevier, 2008

Taber's Cyclopedia Medical Dictionary, Davis, 18th Ed., 2006

Instructor-prepared materials