

DH 74 Course Outline as of Fall 2000**CATALOG INFORMATION**

Dept and Nbr: DH 74

Title: HEAD,NECK,ANT,HISTO,EMBR

Full Title: Head & Neck Anatomy, Histology and Embryology

Last Reviewed: 10/10/2022

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

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:

This course emphasizes the structure of the head and neck. Specific focus will be placed on knowledge necessary for clinical application. Histology and embryology contains the foundation of knowledge necessary to understand pathology and developmental disturbances encountered in dentistry.

Prerequisites/Corequisites:

Course Completion of DH 70 and Course Completion of DH 71A (or DH 71)

Recommended Preparation:**Limits on Enrollment:****Schedule of Classes Information:**

Description: This course emphasizes the structure of the head and neck. Specific focus will be placed on knowledge necessary for clinical application. Histology and Embryology contains the foundation of knowledge necessary to understand pathology and developmental disturbances encountered in dentistry. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 70 and Course Completion of DH 71A (

or DH 71)

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

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

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Spring 2000
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Outcomes and Objectives:

1. Identify the areas of the head and neck region of the human.
2. Describe the normal development of the structures of the head and neck.
3. Recognize developmental abnormalities, such as cleft lip and cleft palate.
4. Recognize the anatomical landmarks used in the administration of local anesthesia.
5. Describe the process of embryological development of the head and neck region of the oral cavity.
6. Explain the structural relationships of the oral cavity and how they function in a healthy state of dynamic equilibrium.
7. Identify normal histological structures of the head and neck, including the oral cavity in microscope.
8. Describe the basic tissues of the body.
9. Identify and describe the organ systems of the head and neck.
10. Apply knowledge of head and neck structures to the extra oral and intraoral examination and administration of local anesthetics in clinical hygiene courses.

Topics and Scope:

- A. Basic Cell Biology
- B. Human Development and Embryology of the Head and Neck
- C. Embryology of the Head and Neck
- D. Skull and TMJ
- E. Muscles of the Head and Neck

- F. Oral Histology / Salivary Glands
- G. Tooth Development and Tissues of the Teeth (Enamel, Dentin, etc.)
- H. Respiratory system: Paranasal Sinuses, Larynx
- I. Circulatory System: Blood Cells, Vessels, Supply to Head and Neck
- J. Nervous System: Cranial Nerves, PNS, Innervation of the Oral Cavity, Sense Organs
- K. Lymph System/Fascia/Inflammatory Response/Spread of Infection

Assignment:

Videotapes and laser disc assignments at the CHEC.

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.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing
0 - 0%

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

Homework problems, Quizzes, Exams, Skills

Problem solving
10 - 45%

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

Class performances, Field work, Performance exams

Skill Demonstrations
25 - 40%

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

Multiple choice, True/false, Matching items, Completion, Fill in

Exams
10 - 30%

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

Professionalism: Criteria used to evaluate on file.

Other Category
15 - 45%

Representative Textbooks and Materials:

HEAD AND NECK ANATOMY HISTOLOGY, AND EMBRYOLOGY, Chan, Walter P., 1996.

ANATOMY OR ORALFACIAL STRUCTURES, Brand, Richard and Isselhard, Donald, C.V. Mosby Co., St. Louis, 1992.

ESSENTIALS OF ORAL HISTOLOGY AND EMBRYOLOGY: A CLINICAL APPROACH,
Avery, James K., C.V. Mosby Co., St. Louis, 1996

SUPPLEMENTARY TEXTS:

ORAL HISTOLOGY AND EMBRYOLOGY, Bhaskar, S.N. C.V. Mosby, 1980.

COLOR ATLAS HEAD & NECK ANATOMY, McMinn, et. al, 1985