

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



**COURSE OUTLINE
DHYG 147: HEAD AND NECK ANATOMY**

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**SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE
DENTAL HYGIENE AAS PROGRAM
MARCH 2015**

DHYG 147: HEAD & NECK ANATOMY

- A. **TITLE:** HEAD & NECK ANATOMY
- B. **COURSE NUMBER:** DHYG 147
- C. **CREDIT HOURS:** 2
- D. **WRITING INTENSIVE COURSE:** NO
- E. **COURSE LENGTH:** 15 WEEKS
- F. **SEMESTER(S) OFFERED:** SPRING
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**
2 HOURS OF LECTURE EACH WEEK
- H. **CATALOG DESCRIPTION:**
This is a 2 credit hour course where students will study the structure and anatomical systems of the head and neck as well as specific body systems. Emphasis will be placed upon aspects of those systems and structures that have dental significance. This course provides the foundation for conducting a cancer screening exam in the clinical setting; and the administration of local anesthesia as part of dental hygiene care.
- I. **PRE-REQUISITES/CO-COURSES:** Students must be matriculated in dental hygiene or receive permission of the instructor.
- J. **GOALS (STUDENT LEARNING OUTCOMES):** By the completion of this course, the student will meet the following course learning outcomes which are linked to the institutional learning outcomes. This course provides foundational learning for completing Dental Hygiene Program Competencies: 1.2, 1.5, 2.3.

Course Learning Outcomes	Institutional Outcomes
1. Identify key intraoral and extraoral structures during a clinical examination, when interpreting radiographs and when administering local anesthesia.	2. Critical Thinking 3. Prof Competency
2. Describe the rationale for conducting an intraoral and extraoral cancer screening exam in the clinical setting.	3. Prof Competency
3. Identify key anatomical structures in the skeletal, muscular, vascular, nervous, glandular and lymphatic systems, specifically in the areas of the head and neck.	2. Critical Thinking 3. Prof Competency
4. Describe the anatomy of the temporomandibular joint and understand it's basic movements and disorders.	2. Critical Thinking 3. Prof Competency

* Specific objectives will be distributed for each unit.

- K. **TEXTS:**
Margaret J. Fehrenbach & Susan W. Herring. Illustrated Anatomy of the Head and Neck, 4th Edition, Elsevier Inc. 2012.
- Margaret J. Fehrenbach. Dental Anatomy Coloring Book, 2nd Edition, Saunders Elsevier, 2014
- L. **REFERENCES:** (the textbook you utilized in Oral Anatomy the first semester)

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.

A	94 - 100
B+	90 - 93
B	84 - 89
C+	80 - 83
C	75 - 79
D	74 - 70
F	69 or lower

O. MEASUREMENT CRITERIA/METHODS:

3 Exams

Comprehensive Final Exam

P. DETAILED COURSE OUTLINE:

I. Rationale for Study of Anatomy

- A. Anatomical Nomenclature
- B. Intraoral Surface Anatomy
- C. Extraoral Surface Anatomy

II. Descriptive Bone Terminology

- A. Cranial Bones
- B. Neck Bones
- C. Facial Bones
- D. Paranasal Sinuses
- E. Fossae of the Skull

III. Descriptive Muscle Terminology

- A. Cervical Muscles
- B. Muscles of Facial Expression
- C. Muscles of Mastication
- D. Hyoid Muscles
- E. Muscles of the Tongue

IV. Temporomandibular Joint

- A. Movement of the Joint
- B. Disorders seen in the clinical setting

V. Endocrine and Exocrine Glands

- A. Thymus
- B. Salivary Glands
- C. Thyroid Gland
- D. Parathyroid

VI. Circulatory System

- A. Arterial Blood Supply
- B. Venous Drainage

VII. Nervous System

- A. Central Nervous System
- B. Peripheral Nervous System
- C. Cranial Nerves
- D. Trigeminal Nerve
- E. Facial Nerve

VIII. Lymphatic System

- A. Tonsils
- B. Cervical Lymph Nodes
- C. Lymph Nodes of the Head

Q. LABORATORY OUTLINE: Not applicable