

University of Arkansas - Fort Smith
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General Syllabus

DHYG 2432 Head and Neck Anatomy

Credit Hours: 2

Lecture Hours: 2

Laboratory Hours: 0

Prerequisites: Admission to the Dental Hygiene program and BIOL 2203/2201 Human Anatomy/Laboratory

Corequisites: DHYG 2111 Dental Anatomy and Occlusion, DHYG 2313 Radiology, DHYG 3102 Pre-Clinical Dental Hygiene, DHYG 3103 Pre-Clinical Hygiene Theory, and DHYG 3412 Oral Embryology and Histology

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

The study of the bones, muscles, nerves, vascular supply, and specialized tissues of the head and neck. Topics include the skeletal, muscular, nervous, circulatory, and digestive systems with an emphasis on correlating content to dental hygiene interventions.

B. Additional Information-None

This class will be taught as a seminar to include both lecture, class discussion/participation, and slide presentations. Additionally, students may be expected to complete specific assignments if required by the instructor.

II. Student Learning Outcomes

A. Subject Matter

Upon completion of this course, the student will:

1. Identify anatomic structures and landmarks of the oral cavity, face, head, and neck.
2. Discuss the nervous, vascular, and lymphatic tissues of the head and neck.
3. Discuss the bones and muscles of the head and neck.
4. Discuss local anesthesia and its relation to anatomical structures.
5. Relate the spread of infection to tissue spaces.

Refer to *Graduate Competencies* in the Policy and Procedures Manual. These objectives increase knowledge in competencies listed above.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Communication Skills (written and oral)

Students will demonstrate communication skills by discussing how the spread of infection enters into the interstitial spaces and the results of infection on the action of local anesthesia in a classroom setting with peers.

Analytical Skills

Critical Thinking Skills: Students will use analytical/critical thinking skills to relate which anatomical structures are necessary to identify when administering the different infiltrations and blocks for local anesthesia.

III. Major Course Topics

- A. Surface anatomy
- B. Skeletal system
- C. Muscular system
- D. Temporomandibular joint (TMJ)
- E. Vascular system
- F. Glandular system
- G. Nervous system
- H. Anatomy and local anesthesia
- I. Lymphatic system
- J. Fascia and spaces
- K. Spread of dental infection