



DHYG 110 Head/Neck Anatomy Section Name Section Credit Hours Credits
Syllabus

Course Information

Meeting times and location: section meeting_times section location

Catalog description: A study of anatomy and physiology of the head and neck region with an emphasis on the oral cavity. Prerequisites: Admissions into the Dental Hygiene Program.

Prerequisites: Take DHYG-112, DHYG-113, DHYG-114, DHYG-115 and DHYG-217

Terms offered: Fall Only

Section-specific Course Description:

Course Level Objectives

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

Correctly identify the major structures of the head and neck as evidenced by a 75% or higher accuracy on learning assessments.

1. Discuss the clinical applications of the study of head and neck anatomy by dental professionals.
2. Apply the correct anatomical nomenclature during the study of head and neck anatomy,
3. Discuss normal anatomical variation and how it applies to different structures in the head and neck.
4. Discuss the anatomical considerations for patient examination and dental radiology of the head and neck region.
5. Locate and identify the regions and associated surface landmarks of the head and neck on a diagram.

6. Locate and identify the specific anatomical landmarks of the TMJ on a diagram and skull.
7. Describe the movements of the TMJ and their relationship to the muscles in the head and neck region.
8. Discuss the disorders of the TMJ.
9. Integrate the knowledge about the anatomy of the TMJ into the examination of the joint for disorder.
10. Identify and trace the routes of the blood vessels of the head and neck on a diagram and skull.
11. Discuss the types of lesions that can occur with blood vessels in the head and neck region.
12. Integrate the knowledge about the head and neck blood supply into clinical practice when a vascular problem is present, especially from a local anesthetic injection or during the spread of infection or cancerous cells by the blood.
13. Discuss the process of mastication, speech, and swallowing in regard to anatomical considerations.
14. Integrate the knowledge about the muscles of the head and neck into the clinical practice of patient examination and related muscular diseases.
15. Locate and identify the muscles of the head and neck on a diagram and skull.
16. Describe the origin, insertion, and action of the muscles of the head and neck.
17. State the nerve (s) innervating each of the muscles of the head and neck.
18. Locate and identify the bones of the head and neck and their landmarks on a diagram and skull.
19. Describe in detail the various parts and landmarks of the maxilla and mandible.
20. Discuss certain abnormalities of the bone.
21. Integrate the knowledge about the bones into the overall study of the head and neck anatomy.
22. Discuss the spread of infection to the sinuses and by the blood system, lymphatics, and spaces to other areas in the head and neck region.
23. Trace the routes of the spread of dental infection in the head and neck region on a diagram and skull.
24. Discuss the lesions and complications that can occur with the spread of dental infection in the head and neck region.
25. Discuss the prevention of the spread of dental infection during patient care.
26. Integrate the knowledge of the spread of dental infection into the ability to prevent and manage the spread of dental infection.
27. Locate and identify all the glandular tissue and associated structure in the head and neck region on diagram and skull.
28. Integrate the knowledge about the head and neck glands during clinical practice when these glands may be involved in a disease process.

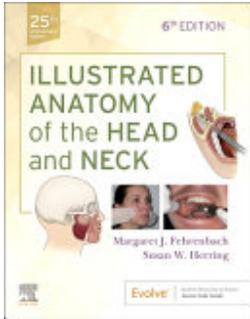
29. Describe the component of the nervous system and outline the actions of nerves.
30. Discuss in general the major divisions of the central and peripheral nervous systems.
31. Identify and trace the routes of the cranial nerves from the skull on a series of diagrams.
32. Briefly discuss the general function of each of the cranial nerves.
33. Identify and trace the routes of the nerves to the oral cavity and associated structures of the head and neck on diagram and skull.
34. Describe the tissues innervated by each of the nerves of the head and neck.
35. Discuss certain nerve lesions associated with the head and neck region.
36. Integrate the knowledge about the head and neck nerves into the functioning region's muscles, joints, and glands, the concepts of pain management with local anesthesia, and also the related nervous system disorders.
37. List the tissues anesthetized by each type of injection and describe the target areas.
38. Locate and identify the anatomical structures used to determine the local anesthetic needle's penetration site for each type of injection on a skull.
39. Demonstrate the correct placement of the local anesthetic needle for each type of injection on a skull.
40. Identify the correct depth and tissues penetrated by the local anesthetic needle for each type of injection.
41. Discuss the complications of local anesthesia of the oral cavity associated with anatomical considerations for each type of injection.
42. Integrate the knowledge about the nerves into the administration of local anesthesia and control of pain during the dental procedure.
43. Discuss and list the lymphatic system and its components.
44. Locate and identify all the major groups of lymph nodes of the head and neck on a diagram.
45. Locate and identify all the tonsillar tissues of the head and neck on a diagram.
46. Identify the patterns of lymph drainage for each head and neck tissue or region.
47. Describe and discuss lymphadenopathy of lymphoid tissue.
48. Discuss the spread of cancer in the head and neck region and its relationship to lymph nodes.

Required Texts and/or Materials

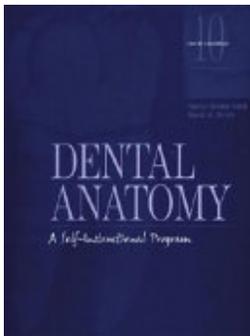
Illustrated Anatomy of the Head and Neck

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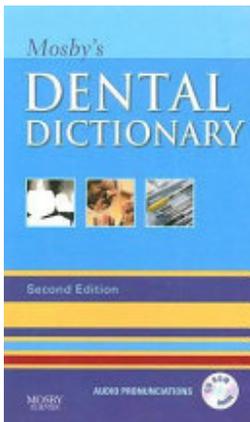
Margaret J. Fehrenbach, RDH, MS, Susan W. Herring



Saunders
2020-12-01



Dental Anatomy
Nancy Shobe Karst, Sarah K. Smith
Pearson
1998-01-01



Mosby's Dental Dictionary
Charles A. Babbush
Mosby Incorporated
2008-01-01

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

Course Requirements

- Upon completion of this course, the student will be able to correctly identify the major structures of the head and neck as evidenced by a 75% or higher accuracy on learning assessments

Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

Contagious diseases and your responsibility:

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

Safety on campus and your responsibility:

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

Academic Support and Resources

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

Student Support and Resources

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

Participation and Attendance Policy

Students will inform their professor if they will be missing any class sessions

Other Classroom Policies and Expectations

Preparation: During this course it is expected that the student prepare for class. This includes reading or viewing the information prior to class. Students should be prepared to participate in active learning discussions in each class on the topic assigned for that day. At any particular point, students may depend on a number of unannounced quizzes. If the student has adequately prepared for the class there should be little trouble passing these quizzes or completing course assignments.

Make-Up Policy: A student will not be allowed to make up quizzes (a zero will be given for each missed quiz). If a major examination is missed, it is the student's responsibility to make arrangements with the instructor and schedule a Make-Up Examination as soon as possible. Scheduling conflicts must be resolved through prior arrangement. All make-up exams must be taken within two days of return to class; otherwise, a grade of zero will be recorded for the missed exam. Unscheduled missed lecture exams cannot be made up except in the case of a medically excused illness or family emergency

(written verification required). The Make-Up Exam will be different from the one given to the other students and may be oral, written, or a combination of both.

Professional Policy: All students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements. The following professionalism standards apply to this course:

1. You are to refer to your instructors and guest lecturers by their professional or personal title (i.e. Doctor, Ms. Mr., and Mrs.).
2. Student is prompt for class.
3. Student is prepared for class sessions.
4. Student assumes responsibility for his/her own learning.
5. Student is concerned with excellence in learning rather than just meeting minimal criteria.
6. Student applies learning in the clinical setting.
7. Student maintains his/her composure, dealing with conflict in a constructive way.
8. Student exhibits an attitude of respect for classmates, faculty and staff.

Canvas Participation and Expectations

Students are expected to participate in class

Distance Education Policy

Distance Education Policy

New technologies allow for the delivery of education in a multitude of different formats. Many of these may involve distance education in which instruction to students may be delivered while separated from the instructor, either synchronously or asynchronously. This may include technologies such as the CANVAS learning management system, use of email correspondence, and the internet and audio/video conferencing. In light of these ever changing technologies, the following are expectations of student behavior with regard to distance education;

Academic Honesty

The standards and requirements of academic honesty and integrity apply to all Dental Hygiene Students whether engaged in or utilizing distance-education or not. Any required work submitted by the student must be their own. This applies to any course within the Dental Hygiene curriculum.

Safeguards

San Juan College has ensured that safeguards are in place with regard to student login and passcode access to the CANVAS learning management system. Distance education within the Dental hygiene Program curriculum will therefore utilize this learning management system. In order to protect student privacy, students shall not share such log-in and passcode information.

Tuition & Fees

There are no additional student charges associated with the utilization of distance education within the Dental Hygiene curriculum and/or with the verification of student identity at the time of registration or enrollment.

Instructor Response Times & Regular Interaction Expectations

Professor will respond within 1-2 days

Course Time Commitment

6-9 hours per week

Grading

Grading

Grade Scale	
90-100%	A
80-89%	B
75-79%	C
65-74%	D
<65%	F
75% is the passing standard	
For all dental hygiene courses	

To determine final grades....

Category	Weight
Quizzes	7.5

Assignments	7.5
Exams	60
Final	25

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

See separate course schedule

College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

Program Handbook

The Dental Hygiene Student Handbook can be found on the Canvas course Important Information - The Cutting Edge

Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.