



**DHYG 1020 Head and Neck Anatomy  
COURSE SYLLABUS  
Fall Semester 2018**

**COURSE INFORMATION**

Credit Hours/Minutes: 2 Semester Credit Hours/1500 minutes  
Campus/Class Location: Vidalia/Health Sciences Annex C, Room #906  
Class Meets: Wednesdays 8:00-9:50am  
Course Reference Number (CRN): 20289

**INSTRUCTOR CONTACT INFORMATION**

Course Director: Lori DeFore, RDH, BS, BTh  
Email Address: [Lori DeFore \(ldefore@southeasterntech.edu\)](mailto:Lori.DeFore@southeasterntech.edu)  
Campus/Office Location: Vidalia/Health Sciences Annex C, Room #909  
Office Hours: Mondays: 7:30-8:30am; 5:00-5:30pm; Tuesdays: 7:30-8:00am; 12:00-5:30pm; Wednesdays: 7:30-8:00am; 10:00-10:30am; 5:00-5:30pm; Thursdays: 7:30-8:30am  
Phone: 912-538-3251  
Fax Number: 912-538-3278

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED TEXTS**

1. Illustrated Anatomy of the Head and Neck, Fifth edition. Fenrenback and Herring. Elsevier/ Saunders. 2017.
2. Head and Neck by Numbers. Third edition. Siggard. 2013.

**REQUIRED SUPPLIES AND SOFTWARE**

Notebook, pen, paper, highlighter, colored pencils or crayons

**REFERENCE TEXT AND IPAD/IPHONE APPS**

1. STC Dental Hygiene Program Clinic Manual
2. FREE IPAD/IPHONE APPS: 3 D Skull and The Skeletal Head and Neck Pro III

**Students should not share login credentials with others and should change passwords periodically to maintain security.**

## **COURSE DESCRIPTION**

This course focuses on the anatomy of the head and neck. Emphasis is placed on those structures directly affected by the practice of dentistry. Topics include: terminology, anatomic landmarks, osteology of the skull, temporomandibular joint, muscles of mastication, muscles of facial expression, nervous system, blood supply of the head and neck, lymphatic system and immunology, endocrine and exocrine glands of the head and neck, nasal and paranasal sinuses, fascial spaces, the spread of dental infections, and anatomy concerning local anesthesia.

## **MAJOR COURSE COMPETENCIES (CC)**

1. Terminology
2. Anatomic Landmarks
3. Osteology of The Skull
4. Temporomandibular Joint
5. Muscles of Mastication
6. Muscles of Facial Expression
7. Nervous System
8. Blood Supply of the Head and Neck
9. Lymphatic System and Immunology
10. Endocrine and Exocrine Glands of the Head and Neck
11. Nasal and Paranasal Sinuses
12. Fascial Spaces and The Spread of Dental Infections
13. Anatomy Concerning Local Anesthesia

## **PREREQUISITE(S)**

Program Admission

## **COREQUISITE(S)**

None

## **GENERAL EDUCATION CORE COMPETENCIES (GC)**

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS**

Students are responsible for the policies and procedures in the Southeastern Technical College (STC) Catalog and Handbook, Dental Hygiene Program Handbook, and Dental Hygiene Clinic Manual. During an examination, the following procedures must be followed: All books and personal belongings must be placed at the back of the classroom. Students will be asked to rotate seats prior to the beginning of the test. Test proctor will personally examine each desk to ensure that no writing is present on desk. Computer monitors should be facing the front of the classroom during test. When a student completes the test, he/she may raise

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hand and turn paper in to proctor. Student must remain in seat until test time is complete to avoid distracting other students. Students who have completed testing should be as quiet as possible and avoid any activity that might make those students who are still testing feel pressured or rushed. Students may not go to the bathroom during the test session. Test proctor must observe students at all times and notify students when there are ten remaining minutes left of the total exam time. Test proctor should routinely walk around classroom and observe testing. Test proctor should refrain from grading papers, reading materials, or using computer during the test. Students caught with cheat sheets or cell phones will be considered cheating and a zero will be issued for the examination. The STC academic dishonesty policy will be enforced. Once the test begins, no talking is allowed. Once the test begins, tardy students may not enter the classroom.

Students are expected to exhibit professional behavior at all times. Each student must show respect and concern for fellow students and for the course instructors. Insubordination will not be tolerated, and disciplinary measures will be enacted. No cell phones or smart electronic devices are allowed to be turned on in the classroom, clinic, or locker area. If a student is observed in possession of his/her cell phone or smart electronic device during class, a critical incident will be issued. A student cannot use his/her cell phone or smart electronic device during class. There are no exceptions to this rule and do not ask. If you have a personal situation going on, please advise your instructor and give your family the clinic receptionist's phone number for emergency contact. You should not have your cell phone or smart electronic device in the class! Personal phone calls must be handled after class.

By completing the assignments below prior to class, students will become familiar with course material prior to classroom facilitation. As a result, higher-level learning will be fostered in the classroom.

1. Read the assigned chapter(s) and be prepared to actively participate in class discussions and activities.
2. Answer/complete all case study exercises in the chapter review section for each session, if applicable.
3. Know the definitions of chapter key terms.
4. Highlight National Board Exam material in relevant chapter(s) prior to class.
5. Complete any assignments or homework given by the course director.
6. Complete and know the learning objectives for each chapter.
7. View any videos applicable to dated lesson plan material.
8. Obtain materials from the course Materials Drive: M/Dental Hygiene/DHYG 1020. Prior to class, print any materials available to be used in this class for study and during lecture and/or lab.
9. Students are advised to check their e-mails regularly for any additional information that is related to the class or the Dental Hygiene Program.

### **ATTENDANCE GUIDELINES**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters. Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor. Excused absences will be evaluated on a case-by-case basis by the program director. Examples of excused absences would be a car accident on the way to class or unexpected hospitalization of the student. Please do not plan a vacation or schedule a routine medical/dental

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appointment during the designated class times. Unexcused absences will not be made up and may lead to the student's failure of the course. Program director must be notified of any absences prior to scheduled class session.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course, a student must attend at least 90% of the scheduled instructional time. Assignments missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course as stated below in the Withdrawal Procedure. Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course. **For this class, which meets one session per week for 15 weeks, the maximum number of sessions a student may miss for attendance purposes is two sessions during the semester.**

### **ADDITIONAL ATTENDANCE GUIDELINES FOR HEALTH SCIENCES**

Requirements for instructional hours within Health Science programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. Each program's attendance policy is published in the program's handbook and/or syllabus which specify the number of allowable absences. All provisions for required makeup work in the classroom or clinical experiences are at the discretion of the instructor.

### **SPECIAL NEEDS**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, to coordinate reasonable accommodations.

### **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate arrangements with [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126.

### **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" is assigned for the course(s) when the student completes the withdrawal form.

Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a "W" for the course.

Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a "WP" or "WF" for the semester.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal

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procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of 'W' will count in attempted hour calculations for the purpose of Financial Aid.

**Remember** - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

### **MAKEUP GUIDELINES**

Students are allowed to make up only one missed exam excluding the final examination. This is only if they have an excused absence approved by the instructor. The makeup exam may be given in a different format than the original exam. A doctor's excuse and/or additional documentation will be requested. Ten points will be deducted from the test for taking the test late. All other missed exams/quizzes/class preparation assessments will result in a grade of zero "0". If you enter the classroom late, you will not be allowed to take the exam, and you will be issued a grade of zero "0" for the exam. PLEASE be on time! Projects are due on the date specified on the lesson plan at the start time of the class. Projects will not be accepted late for any reason!

Failure to complete homework assignments will result in one point being deducted from the final course grade for each assignment not completed by the deadline specified. Late or incomplete assignments will still need to be completed and turned in for instructor review and feedback. If you are going to be absent, you should deliver your assignment to your instructor prior to the deadline to ensure credit.

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

### **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

#### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

#### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

#### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or

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designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

### STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

### ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

### ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

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### **INSTRUCTIONAL DELIVERY METHODS**

The following methods will be utilized to facilitate learning in lecture sessions. Sessions may employ PowerPoint presentations with handouts, workbook activity sheets, homework assignments, multimedia presentations, group discussions, independent reading assignments, research activities, interactive websites, games, and group collaboration.

### **EVALUATION PROCEDURES**

#### **Exams**

Exam 1 covers chapters 1-3

Exam 2 covers chapters 4-6

Exam 3 covers chapters 7-9

Exam 3 covers chapters 10-12

Exam 4 comprehensive FINAL of all course instructional material.

All exam dates are noted in the course syllabus. No makeup exam will be allowed for the final examination. Failure to take the final examination on the specified date will result in a grade of zero. The final exam will cover all course instructional material. A total of 100 points may be earned on each of the four examinations.

#### **Homework**

Homework assignments are noted in the syllabus lesson plan and are due each lecture session at the beginning of class start time. Each assignment that is not completed in the specified timeframe will result in a one-point deduction from the final course grade. Late assignments are still required to be turned in for instructor review and/or feedback. The work will be checked on each test day and is directly related to the material covered on the test on that day. (Example: Exam on chapters 1 & 2: the assignments checked and graded will be on chapters 1 & 2 from the workbook and any other worksheets, charts or assigned materials related to the chapters being studied.)

### **CLASS PREPARATION ASSESSMENT**

A class preparation assessment and grade will be given at the beginning of class sessions as noted in the lesson plan. Each student shall randomly draw one question. The question will cover some topic or portion of the course material the student should have read and studied as noted in the syllabus lesson plan. If a student demonstrates prior class preparation by answering the question correctly, a session grade of one hundred (100) shall be recorded. If a student fails to demonstrate prior class preparation by answering the question incorrectly, a session grade of zero (0) will be recorded. The student will be allowed to remain in class, but shall be required to report to campus on Thursdays from 9:00am -11:00am and study the course material to ensure time has been spent studying, and that application and understanding of course material may be achieved.

### **GRADING POLICY**

<b>Assessment/Assignment</b>	<b>Percentage</b>
Examination 1	15%
Examination 2	15%
Examination 3	15%
Examination 4	15%
Examination 5 (Final)	20%

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Assessment/Assignment	Percentage
Class Preparation Assessments (8 averaged together)	20%

### CALCULATION OF FINAL COURSE GRADE

Evaluation Item	Grade	(X) %	Points
Examination 1		0.15	
Examination 2		0.15	
Examination 3		0.15	
Examination 4		0.15	
Examination 5 (Final)		0.20	
Class Preparation Assessment 1			
Class Preparation Assessment 2			
Class Preparation Assessment 3			
Class Preparation Assessment 4			
Class Preparation Assessment 5			
Class Preparation Assessment 6			
Class Preparation Assessment 7			
Class Preparation Assessment 8			
Class Preparation Assessments (8 averaged together)		0.20	
<b>-Point Deductions for late/incomplete assignments</b>			
<b>Subtotal</b>			
<b>Final Course Grade</b>			

### GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

### DENTAL HYGIENE PROGRAM GOALS

- A. To provide comprehensive preparation of competent individuals in the arts and sciences pertinent to the discipline of dental hygiene.
- B. To provide comprehensive preparation of competent individuals in the clinical and laboratory experiences, which are necessary to develop skills in rendering professional dental hygiene patient care to the public.
- C. To provide an environment which will foster respect for the Dental Hygiene Professional Code of Ethics and Conduct and assure recognition and acceptance of the responsibilities of the profession of dental hygiene.
- D. To prepare the graduates of the basic two-year curriculum in dental hygiene to fulfill the dental hygienist's role in community oral health services.



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- E. To teach students to conduct critical reviews of current literature as a means of research and life-long learning.
- F. To teach students to seek life-long learning through continuing education courses on the latest products and developments in dentistry and medicine.

### **DHYG 1020 HEAD AND NECK ANATOMY LEARNING OBJECTIVES**

After studying the assigned chapters, the students will be able to:

#### Chapter 1: Introduction to Head and Neck Anatomy

- 1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
- 2. Discuss the clinical applications of head and neck anatomy by dental professionals. (A-D)
- 3. Discuss anatomic variation and how it applies to head and neck structures. (A-D)
- 4. Apply the correct anatomic nomenclature during dental clinical procedures. (A-D)

#### Chapter 2: Surface Anatomy

- 1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
- 2. Discuss how the surface anatomy of the face and neck may impact dental clinical procedures. (A-D)
- 3. Locate and identify the regions and associated surface landmarks of the head and neck on a diagram and a patient. (A-D)
- 4. Integrate an understanding of surface anatomy into the clinical practice of dental procedures. (A-D)

#### Chapter 3: Skeletal System

- 1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
- 2. Locate and identify the bones of the head and neck and their landmarks on a diagram, skull, and patient. (A-D)
- 3. Describe in detail the landmarks of the maxilla and mandible. (A-D)
- 4. Discuss the skeletal system pathology associated with the head and neck. (A-D)
- 5. Integrate an understanding of the skeletal system into the overall study of the head and neck anatomy and clinical dental practice. (A-D)

#### Chapter 4: Muscular System

- 1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
- 2. Locate and identify the muscles of the head and neck on a diagram, skull, and patient. (A-D)
- 3. Describe the origin, insertion, action, and innervation of each muscle of the head and neck. (A-D)
- 4. Discuss the processes of mastication, speech, and swallowing with regard to anatomic considerations involving the muscles of the head and neck. (A-D)
- 5. Discuss the pathology associated with the muscles of the head and neck. (A-D)
- 6. Integrate an understanding of the muscles of the head and neck into the clinical dental practice. (A-D)

#### Chapter 5: Temporomandibular Joint

- 1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
- 2. Locate and identify the landmarks of the temporomandibular joint on a diagram, skull, and patient. (A-D)
- 3. Describe the movements of the temporomandibular joints and their relationship with the muscles in the head and neck region. (A-D)

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4. Discuss temporomandibular joint pathology and related patient care. (A-D)
5. Integrate an understanding of the anatomy of the temporomandibular joint into clinical dental practice. (A-D)

#### Chapter 6: Vascular System

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. Identify and trace the routes of the blood vessels of the head and neck on a diagram, skull, and patient. (A-D)
3. Discuss the vascular system pathology associated with the head and neck region. (A-D)
4. Integrate an understanding of the head and neck blood supply into clinical dental practice. (A-D)

#### Chapter 7: Glandular Tissue

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. Locate and identify the glands and associated structures in the head and neck on a diagram, skull, and patient. (A-D)
3. Discuss the glandular pathology associated with the head and neck. (A-D)
4. Integrate an understanding of the head and neck glands during clinical dental practice. (A-D)

#### Chapter 8: Nervous System

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. Describe the components of the nervous system and outline the actions of nerves. (A-D)
3. Discuss the divisions of the central and peripheral nervous systems. (A-D)
4. Identify and trace the routes of the cranial nerves on a diagram and skull. (A-D)
5. Discuss the structure innervated by each of the cranial nerves. (A-D)
6. Identify and trace the routes of the nerves to the oral cavity and associated structures of the head and neck on a diagram, skull, and patient. (A-D)
7. Describe the structures innervated by each of the nerves of the head and neck. (A-D)
8. Discuss the nervous system pathology associated with the head and neck region. (A-D)
9. Integrate an understanding of head and neck nerves into clinical dental practice. (A-D)

#### Chapter 9: Anatomy of Local Anesthesia

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. List the tissue and structures anesthetized by each type of local anesthetic injection and describe the related target areas. (A-D)
3. Locate and identify the anatomic structures used to determine injection site for the needle for each type of local anesthetic injection on a skull and a patient. (A-D)
4. Demonstrate the correct placement for the needle for each type of local anesthetic injection on a skull and a patient. (A-D)
5. Identify the tissue involved during the insertion of the needle for each type of local anesthetic injection. (A-D)
6. Discuss the indications of clinically effective anesthesia and possible complications associated with anatomic considerations for each type of injection. (A-D)

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7. Integrate an understanding of the anatomy of the trigeminal nerve and associated tissue into the administration of local anesthesia in clinical dental practice. (A-D)

#### Chapter 10: Lymphatic System

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. List and discuss the lymphatic system and its components. (A-D)
3. Locate and identify the lymph nodes of the head and neck on a diagram and patient. (A-D)
4. Locate and identify the tonsils of the head and neck on a diagram and patient. (A-D)
5. Identify the lymphatic drainage patterns for the head and neck. (A-D)
6. Describe and discuss pathology of lymphoid tissue associated with the head and neck. (A-D)
7. Integrate an understanding of the head and neck lymphatic system into clinical dental practice. (A-D)

#### Chapter 11: Fasciae and Spaces

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. Locate and identify the fasciae of the head and neck on a diagram, skull, and patient. (A-D)
3. Locate and identify the major spaces of the head and neck on a diagram, skull, and patient. (A-D)
4. Discuss the communication between the major spaces of the head and neck. (A-D)
5. Integrate an understanding of fasciae and spaces into the overall study of head and neck anatomy as well as a clinical dental practice. (A-D)

#### Chapter 12: Spread of Infection

1. Define and pronounce the key terms and anatomic terms in this chapter. (A-D)
2. Discuss the spread of odontogenic infection to the sinuses and by the vascular system, lymphatic system, and spaces in the head and neck region. (A-D)
3. Trace the routes of odontogenic infection in the head and neck region on a diagram, skull, and patient. (A-D)
4. Discuss the complications that can occur with the spread of odontogenic infection in the head and neck region. (A-D)
5. Discuss the prevention of the spread of odontogenic infection during patient dental care.
6. Integrate an understanding of the anatomic considerations for the spread of odontogenic infection into clinical dental practice. (A-D)

## DHYG 1020 Head and Neck Anatomy Fall Semester 2018 Lesson Plan

Date/ Week	Chapter/ Lesson	Content	Assignments & Tests Due Dates	Competency Area
8/15 Week 1	Chapter 1	<p>First day of class/Introduction to Course—Syllabi, Outline, Rules, Regulations Coverage.</p> <p>Introduction to Head and Neck Anatomy Lecture, PowerPoint, Group Discussion</p> <p>Discuss Clinical Applications of Head and Neck Anatomy.</p> <p>Discuss Anatomical Nomenclature and Normal Anatomical Variation.</p> <p>Siggard Question Review</p>	<p>Read Chapter 1 prior to class</p> <p>Print all Worksheets from M:Drive and bring to each class session.</p> <p>Be familiar with key terms before each class session.</p> <p><b>**Complete ALL end of Chapter Review Questions and Identification Exercises prior to EACH Lecture class!</b></p> <p>Siggard TEXT: Read and complete exercises: Pages 4-5</p>	CC 1-4 GC a,c
8/22 Week 2	Chapter 2	<p>Surface Anatomy Lecture, PowerPoint, Group Discussion</p> <p>Discuss how the Surface Anatomy of the face and neck may impact dental procedures.</p> <p>Locate and Identify the Regions of the Head and Neck on a diagram and a peer.</p> <p>Siggard Question Review and PowerPoint review activity</p> <p>Worksheet: Bones of the Skull</p>	<p>Read Chapter 2 prior to class</p> <p>Class Preparation Assessment #1</p> <p>Review/Study Skeletal Model and Human Skull Models in Classroom</p> <p>Siggard TEXT: Read and complete exercises: Pages 44-45 Chapter Review Questions and Identification Exercises</p>	CC 1-4 GC a,c

Date/ Week	Chapter/ Lesson	Content	Assignments & Tests Due Dates	Competency Area
8/29 Week 3	Chapter 3	<p>Skeletal System Lecture, PowerPoint, Group Discussion</p> <p>Locate and Identify the Bones of the Head and Neck and their landmarks on a diagram, skull and a peer.</p> <p>Discuss the skeletal system pathology associated with the Head &amp; Neck.</p> <p>Siggard Question Review</p> <p>Worksheet: Sphenoid Bones, Skull Anatomy Study Sheet</p> <p>Matching review activity</p>	<p>Read Chapter 3 prior to class</p> <p>Class Preparation Assessment #2</p> <p>Siggard TEXT: Read and complete exercises: Pages 6-15 Chapter Review Questions and Identification Exercises</p> <p>Review/Study Skeletal Model and Human Skull Models in Classroom</p>	CC 1-4 GC a,c
9-5 Week 4	Chapter 4 UNIT 2	<p>(Lecture following EXAM) Muscular System Lecture, Powerpoint, Group Discussion</p> <p>Locate and Identify the Muscles of the Head and Neck on a skull model, diagram, and a peer.</p> <p>Discuss the origin, insertion, action and innervation of each muscle. Discuss the process of mastication, speech, and swallowing using muscles. Discuss pathology associated with the muscles.</p> <p>Give handouts on nerve mnemonics and muscles of mastication and facial expression.</p> <p>Siggard Question Review</p> <p>Worksheet: Muscular System</p>	<p>EXAM 1 Chapters 1-3</p> <p>**Complete ALL end of Chapter &amp; Identification Review Questions and Siggard Text Book Assignments. Turn in at Exam time for Instructor Review.</p> <p>Read Chapter 4 prior to class</p> <p>Siggard TEXT: Read and complete exercises: Pages 16-27 and 46-47</p> <p>Chapter Review Questions and Identification Exercises</p>	CC 1-6 GC a,c

Date/ Week	Chapter/ Lesson	Content	Assignments & Tests Due Dates	Competency Area
9/12 Week 5	Chapter 5	<p>Temporomandibular Joint Lecture, PowerPoint, Group Discussion</p> <p>Locate and Identify the Landmarks of the TMJ on a diagram, skull model, and a peer.</p> <p>Describe &amp; Discuss the movements of the TMJ and their muscle associations.</p> <p>Discuss TMJ pathology and related patient care.</p> <p>Siggard Question Review</p> <p>Worksheet: The TMJ Joint</p>	<p>Read Chapter 5 prior to class</p> <p>Class Preparation Assessment #3</p> <p>Siggard TEXT: Read and complete exercises: Pages 48-49 Chapter Review Questions and Identification Exercises</p>	CC 1-6 GC a,c
9/19 Week 6	Chapter 6	<p>Vascular System Lecture, PowerPoint, Group Discussion</p> <p>Identify the routes of the blood vessels of the head &amp; neck on a diagram and skull model.</p> <p>Discuss vascular system pathology of the head &amp; neck.</p> <p>Siggard Question Review</p> <p>Worksheet: Arteries of the Head and Neck</p>	<p>Read Chapter 6 prior to class</p> <p>Class Preparation Assessment #4</p> <p>Siggard TEXT: Read and complete exercises: Pages 28-33 Chapter Review Questions and Identification Exercises</p>	CC 1,2,3,8 GC a,c
9/26 Week 7	Chapter 7	<p>(Lecture following EXAM) Glandular Tissue Overview of Glandular Tissue Lecture, PowerPoint, Group Discussion</p>	<p>Instructor will view student assignment for Unit 2 Exam #2 Chapters 4-6 **Complete ALL end of Chapter and Identification Review Questions and</p>	CC 1,2,10 GC a,c

Date/ Week	Chapter/ Lesson	Content	Assignments & Tests Due Dates	Competency Area
		<p>Locate and Identify the Lacrimal, Salivary, Thyroid, Parathyroid &amp; Thymus Glands.</p> <p>Discuss glandular pathology.</p> <p>Siggard Question Review</p> <p>Worksheet: Salivary Glands, Glandular Tissue</p>	<p>Siggard Text Book Assignments. Turn in at Exam time for Instructor Review.</p> <p>Read Chapter 7 prior to class</p> <p>Siggard TEXT: Read and complete exercises: Pages 50-53 Chapter Review Questions and Identification Exercises</p>	
10/03 Week 8	Chapter 8	<p>Nervous System Lecture, PowerPoint, Group Discussion</p> <p>Describe the components of the central, peripheral, and autonomic nervous system.</p> <p>Discuss the components of a neuron and the divisions, function, and innervation of each cranial nerve.</p> <p>Class discussion of pain control assignment.</p>	<p>Read Chapter 8 prior to class</p> <p>Class Preparation Assessment #5</p> <p>Siggard TEXT: Read and complete exercises: Pages 34-41 Chapter Review Questions and Identification Exercises</p> <p>Complete Pain Control Assignment. Bring to class for discussion.</p>	CC 1,2,3,7 GC a,c
10/10 Week 9	Continue Chapter 8 and Begin Chapter 9	<p>Describe the tissue and structures innervated by the trigeminal and facial nerves.</p> <p>Siggard Question Review</p> <p>Worksheet: Central and Peripheral Nervous System</p> <p>Anatomy of Local Anesthesia Lecture, PowerPoint,</p>	<p>Read Chapter 9 prior to class</p> <p>Class Preparation Assessment #6</p> <p>Siggard TEXT: Read and complete exercises: Pages 54-69 Chapter Review Questions</p>	CC 1,2,3, 7,8,10, 12,13 GC a,c

Date/ Week	Chapter/ Lesson	Content	Assignments & Tests Due Dates	Competency Area
		<p>Group Discussion</p> <p>Discuss, Compare, Contrast Maxillary and Mandibular Nerve Anesthesia.</p> <p>Discuss anesthetic block and infiltration techniques.</p>	and Identification Exercises	
10/17 Week 10	Continue Chapter 9	<p>Anatomy of Local Anesthesia Lecture, PowerPoint, Group Discussion</p> <p>Discuss types of injections, the tissue and structures anesthetized by each, and the target areas.</p> <p>Siggard Question Review</p> <p>Demonstration and Practice of Anesthesia Tray Set Up for Clinic.</p>	Chapter 9 continued	CC 1,2,3, 7,8, 9,10, 12,13 GC a,c
10/24 Week 11	Chapter 10	<p>(Lecture following EXAM)</p> <p>Lymphatic System Lecture, PowerPoint, Group Discussion</p> <p>Discuss and identify the Lymphatic System, lymphnodes of the head and neck, the tonsils, and lymphatic drainage patterns.</p>	<p>EXAM 3 Chapters 7-9</p> <p><b>**Complete ALL end of Chapter &amp; Identification Review Questions and Siggard Text Book Assignments. Turn in at Exam time for Instructor Review.</b></p> <p>Read Chapter 10 prior to class</p> <p>Siggard TEXT: Read and complete exercises: Pages 42-43 Chapter Review Questions and Identification Exercises</p>	CC 1,2,3, 9,10,12 GC a,c
10/31 Week 12	Continue Chapter 10 and	Describe and discuss lymphoid pathology.	Read Chapter 11 prior to class	CC 1,2,3, 9-12



<b>Date/ Week</b>	<b>Chapter/ Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
	Begin Chapter 11	Siggard Question Review  Worksheet: Lymphatic System  Fascia and Spaces Lecture, PowerPoint, Group Discussion  Identify and locate the Fascial Spaces of the Head & Neck.  Discuss the communication between the major spaces of the head & neck.  Siggard Question Review	Class Preparation Assessment #7  Chapter Review Questions and Identification Exercises	GC a,c
11/07 Week 13	Continue Chapter 11 and Begin Chapter 12	Spread of Dental Infection Lecture, PowerPoint, Group Discussion  Activities: PowerPoint Identification of lesions and the Spread of Dental Infections in the fascial spaces.	Read Chapter 12 prior to class  Class Preparation Assessment #8  Chapter Review Questions and Identification Exercises	CC 1,2,3, 9,11,12 GC a,c
11/14 Week 14	Continue Chapter 12	Activity: Diagram the spread of infections through the fascial spaces.  Siggard Question Review	Read Chapter 12 prior to class  Chapter Review Questions and Identification Exercises	CC 1,2,3, 9,11,12 GC a,c
11/21	STUDY	NO CLASS HAPPY THANKSGIVING	Study for Exam 4	
11/28 Week 15	Review for FINAL	(Board review material following Exam) Review of Chapters 1-12	EXAM 4 Chapters 10-12 <b>**Complete ALL end of Chapter &amp; Identification Review Questions and Siggard Text Book Assignments. Turn in at Exam for Review. Study Board Review Material prior to class</b>	CC 1-13 GC a,c

07/20/18 ld

<b>Date/ Week</b>	<b>Chapter/ Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
12/05 8 am	Chapters 1 - 12	Final Exam	Comprehensive Final Exam Exam #5	CC 1-13 GC a,c

**\*This lesson plan is subject to change at the discretion of the instructor.**

**MAJOR COURSE COMPETENCIES (CC):**

1. Terminology
2. Anatomic Landmarks
3. Osteology of The Skull
4. Temporomandibular Joint
5. Muscles of Mastication
6. Muscles of Facial Expression
7. Nervous System
8. Blood Supply of the Head and Neck
9. Lymphatic System and Immunology
10. Endocrine and Exocrine Glands of the Head and Neck
11. Nasal and Paranasal Sinuses
12. Fascial Spaces and The Spread of Dental Infections
13. Anatomy Concerning Local Anesthesia

**GENERAL CORE EDUCATIONAL COMPETENCIES (GC):**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.