

**MIDWESTERN STATE UNIVERSITY
DENTAL HYGIENE PROGRAM
HEAD, NECK & DENTAL ANATOMY DNHY 3124
COURSE SYLLABUS FALL 2023**

COURSE: Head, Neck, and Dental Anatomy (Lecture) 4 (4-0)

DAY/TIME: Tuesday and Thursday 10:00 to 11:50AM

COURSE DELIVERY & LOCATION:

This course includes both face to face lectures in Centennial Hall room 103-A, and online assignments through D2L. A hybrid class requires you to have access to a computer (with Internet access) to complete and upload your assignment as well as face to face time for class/lab. It is your responsibility to have (or have access to) a working computer in this class. ***Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings.*** Computers are available on campus in various areas of the buildings as well as the Academic Success Center. **Your computer being down is not an excuse for missing a deadline or a lecture!!** There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into [D2L](#).

INSTRUCTOR: Jill Young, R.D.H., B.S.D.H., M.Ed.

Office: Centennial Hall, Room 125. Ext. 4738

Office hours: Tues. and Thurs. 8:00 AM-9:00pm & 1:00 PM-4:00 PM
Wednesday's 1:00-4:00 & Fri. 9:00-12:00 by appointment only

SYLLABUS CHANGE

POLICY:

This syllabus is a guide for the course- not a "contract" – and is subject to change. Syllabus changes will be communicated via written revisions with a minimum of 48 hours' notice before relevant changes take place. Please keep this syllabus as a reference. Students are responsible for this information and any changes to the syllabus as explained above. As the daily course schedule is subject to change, it should be understood that regardless of the date, whenever a new section of study is begun, the homework assignment will be due prior to the start of that class period.

COURSE

DESCRIPTION: Course Description from most current MSU Catalog (2020-21)

Detailed anatomy of dental structures with special emphasis on human dentition in laboratory sessions through study and identification of extracted teeth. Identification of components of the temporomandibular joint as well as

nomenclature, osteology, osteous landmarks, muscles, nerves, vascular supply and drainage, and glands of the head and neck region.

REQUIRED COURSE TEXT:

Illustrated Anatomy of the Head and Neck, by Margaret J. Fehrenbach and Susan W. Herring, 5th Edi.

Illustrated Dental Embryology, Histology, & Anatomy, by Fehrenbach & Popowics, 4th Ed.

Students should have supplemental textbooks from other courses

Clinical Practice of the Dental Hygienist, Esther M. Wilkins, 13th Ed.

COURSE PURPOSE:

The purpose of this course is to give the student a basic understanding of the head and neck. It will cover the didactic information to enable the student in assessing intraoral and extraoral features and functions.

KEY CONCEPTS:

1. A thorough knowledge of the structures of the oral cavity is required by the dental hygienist in order to assess the oral health status of the patient.
2. The use of appropriate, standardized nomenclature facilitates accurate descriptions of the oral cavity. This will be a vital part of not only meticulous record keeping, but also of enhanced communication among members of the dental community.
3. Distinguishing between normal/abnormal, and typical/atypical structures in the head, neck and oral cavity, as well as normal/abnormal, typical/atypical function of the anatomical features of the head and neck in order to assess the health of the patient.
4. Differentiation between primary and permanent dentition to enable effective treatment planning.
5. Knowledge of root morphology is essential for skill development involving scaling and root planing.
6. Knowledge of the innervation, nutrient, and muscle systems of the head and neck regions facilitate dental hygiene care.
7. The profession of dental hygiene is much more than the mechanical removal of tooth deposits.

COURSE OBJECTIVES:

Given reading assignments, lecture, class discussions and homework assignments, upon completion of this course the student should be able to:

1. Recognize and categorize individual teeth according to morphologic differences observed.
2. Comprehend the basic relationship between the morphologic characteristics of the teeth and the potential disease processes affecting them as well as what preventive interventions may accomplish.
3. Understand the basic principles of occlusion and the variables that play important roles in inter- and intra-arch relationships.
4. Integrate the functional and anatomical relationships within the head and neck region in the provision of dental hygiene care.

5. Relate the normal structure of tissues and cells to variations that appear in pathological conditions and disturbances in function, and apply this to clinical situations.
6. Understand the relationship of the oral cavity and head and neck region to the rest of the body.
8. Use information and knowledge gained from this course in critically analyzing and developing clinical treatment skills.

COURSE EVALUATION:

The lab exercise (teeth selection and mounting) and combined homework grade (homework papers will be averaged for one collective score) will be averaged together to count as 10% of the final course grade. 5 written exams, will be weighted equally (16%) and along with the final (20%), comprise the remaining 90% of the final course grade.

Students missing an exam due to illness will be allowed to make up the exam on the day of their return to school. No grade higher than a 90 will be given for make-up examinations. Students will be allowed to make up only one (1) exam per semester. This does not include the Final Exam.

Missed classes due to extreme illness and/or hospitalization associated with an illness will be evaluated by the course instructor on a case by case basis.

Laboratory Assignment: Collection of Extracted Teeth:

These collected teeth will be utilized to construct models of quadrants of the mouth. The models will be used in Dental Anatomy for tooth recognition and identification, as well as in future Dental Hygiene courses as a learning tool for Pit & Fissure Sealant placement and for practice of ultrasonic scaler usage and techniques.

- You will be responsible for contacting the dentist(s) of your choice to request their participation in this project. The office that will be helping you with this assignment should be provided with the following:
 - 1 gallon or half-gallon juice type container with large opening or mouth (transparent or semi-transparent is preferable)
 - Fill the container(s) provided from ½ to ¾ full with the following solution: 1 part unscented household bleach to 10 parts water

Example of Solution Mix: 1 cup bleach to 10 cups of water OR ½ cup of bleach to 5 cups of water

- The jug/container should be labeled as follows:
 - Your name
 - (940-397-4764)
 - *the above # is for MSU*
 - Midwestern State University
 - Department of Dental Hygiene
 - The label should then be completely covered with tape to prevent accidental spills from causing it to become illegible.

Teeth presented in formaldehyde will not be accepted!

Please remember that you are now representatives of the MSU Dental Hygiene Dept. You should approach the office personnel that will be helping you with the utmost courtesy and consideration. At the completion of this course it will be expected that a thank-you note will be sent by you to the people/offices that have helped you to fulfill this project.

Laboratory Exercise:

- Students will select the correct natural teeth necessary to utilize in placing pit & fissure sealants, and for practicing amalgam polishing. After evaluation of selected teeth by the Instructor, they will be mounted in dental stone. Following completion of Dental Anatomy, they will be used in DNHY 3012, *Dental Hygiene 3* for instruction and initial practice of the placement of pit and fissure sealants, amalgam polishing, and ultrasonic scaling techniques. They may also be utilized in DNHY 4032, *Dental Hygiene 4* for instruction and initial practice with the prophy jet.
- Selection of appropriate teeth for mounting will be done during appointed lab times. For Fall 2020 requirements, students will select 6 anterior teeth, 4 premolars, 4 molars acceptable for placing pit and fissure sealants, and 2 teeth with MO, or DO amalgams/composite on molars suitable for margination with ultrasonic. All teeth will be mounted in stone for use in clinical training for sealant placement and margination on student's time.

Directions for Mounting Teeth:

- Each bag should contain the following after selection of appropriate teeth is made.
 - 6 anterior teeth at least 2 with calculus (for ultrasonic scaling)
 - 4 molars (for pit and fissure sealant placement)
 - 4 premolars (for pit and fissure sealant placement)
 - 2 teeth with either DO or MO restorations (amalgam preferred for at least 1)
- Mount the anterior teeth with calculus with the correct facial to lingual orientation. Carefully push the roots into the stone enough to anchor, but still allowing the calculus to be visible. If possible place the proximal surfaces in contact, or as close as you can get them in the stone.
- If your bag contains an anterior tooth with an amalgam, then mount this tooth with the anterior teeth, also with the proximal surfaces in contact, or as close as possible.
- If your bag contains a posterior tooth with an amalgam, then mount this tooth with the molars.
- Keep in mind, even though these teeth are not from the same dentition set, you should be able to mount them with the correct facial/lingual or buccal/lingual orientation. If the roots of some of the molars are too close to distinguish (fused), then just mount according to your best judgment.

- It is advisable to have your sets sorted or grouped, and the facial/lingual orientation established prior to mixing and pouring the stone.

Homework Assignments

- 10 online homework assignments will be over vocabulary and reading assignments.

Examinations:

- Seven (7) written examinations will be given for this course. Changes to the total number of tests may be made as needed and is at the discretion of the instructor. Each written exam may be comprehensive from the first class session, with the greatest emphasis placed on the new material presented since the previous exam.
- One (1) lab exam will be given in conjunction with the written exam covering osteology. It will be a landmark recognition exercise whereby the students will identify anatomical landmarks of the skull. This will be counted as a separate test grade.

Students missing an exam due to illness will be allowed to make up the exam on the day of their return to school. No grade higher than a 90 will be given for make-up examinations. Students will be allowed to make up only one (1) exam per semester. This does not include the Final Exam.

Water bottles, cell phones, calculators or computers are not allowed during examinations. Possession of any of these devices during an exam will be construed as academic dishonesty and will be dealt with accordingly.

Leaving the examination room for any reason will be construed as completion on given exam and student will not be allowed back into the testing room for completion.

Dental Hygiene Program Grading Scale

92 - 100 = A

83 - 91 = B

75 - 82 = C

65 - 74 = D

(D Constitutes Failure of course & student cannot matriculate into the 4th and final semester of the Dental Hygiene curriculum)

Final Course Computation

Exams 85%

Homework 10%

Lab Exercise 5%

CLASS ATTENDANCE:

Attendance is critical in order to achieve the maximum benefits of this course. Reviewing notes and the reading assignments without active participation in the course's clinical activities will not permit the student to adequately meet course objectives. Therefore, **MORE THAN 2 ABSENCES FOR ANY REASON WILL RESULT IN THE FINAL COURSE GRADE BEING LOWERED ONE FULL**

LETTER GRADE. In cases of extreme illness and/or hospitalization, individual decisions may be made. **Two (2) tardies will be the equivalent of 1 absence.** Students are responsible for all material presented in lecture as well as assigned reading. It is the student's responsibility to obtain any handouts or notes missed in class.

RECORDING OF CLASS LECTURES:

Taping of class lectures will be permitted, but **ONLY** with **PRIOR APPROVAL** of instructor.

PHONE USE:

Cell phone use (texting or verbal) is extremely disruptive to your fellow classmates and to the faculty teaching your course. Therefore **the use of cell phones will not be tolerated, FOR ANY REASON.** If you utilize your cell phone it will be confiscated for the remainder of the scheduled day. Repeat offenders will be asked to leave the classroom and will be required to meet with the faculty and the chair of the Dental Hygiene Dept. In case of emergencies, please notify spouses, family and friends to contact you via the program secretary at 940-397-4764.

ACADEMIC DISHONESTY

Dental Hygiene Honor System:

All Dental Hygiene courses adhere to the MSU Code of Conduct. In particular, academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his or her work will be completed in full observance of the MSU Code of Student Conduct. A student should consult the current Student Handbook for answers to any questions about the code.

Many components of dental hygiene courses are designed to be highly interactive with students helping each other learn. Students are encouraged to take full advantage of many resources available including course resources, Internet sites, other textbooks and journals, faculty, and peers when answering objectives. This interactive collegial learning environment is conducive for life-long learning. Cheating includes, but is not limited to, (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to, the use of, by paraphrase or direct quotation without correct citation in the text and on the reference list, the published or unpublished works of another person. Students may NOT submit papers and assignments that they have previously submitted for this or other courses. The use of materials generated by agencies engaged in "selling" term papers is also

plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism.

Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class. Whenever a student is unsure of whether a particular situation will be interpreted as academic dishonesty, he/she should ask the instructor for clarification. If students are guilty of academic dishonesty, a grade of zero (0) will be given for the quiz, assignment, etc. Cases may also be referred to the Dean of Students for possible dismissal from the university.

PLEASE NOTE: *By enrolling in this course, the student expressly grants MSU a “limited right” in all intellectual property created by the student for the purpose of this course. The “limited right” shall include but shall not be limited to the right to reproduce the student’s work product in order to verify originality and authenticity, and for educational purposes. Specifically, faculty may submit student papers and assignments to an external agency to verify originality and authenticity, and to detect for plagiarism*

MSU COHSHS Student Conduct Appeals Committee

All Midwestern State University (MSU) students may legitimately appeal a course grade if 1) the student has not been evaluated according to the same criteria as his or her classmates, or 2) an error has been made in grading and/or posting (MSU Student Handbook, p. 37.) In addition, the Office of the Dean of Students has the responsibility to enforce standards of conduct for students as outlined in the MSU Student Handbook (p. 70-80).

When enrolled in the College of Health Sciences and Human Services (COHSHS), students are often assigned to community agencies, such as health care facilities, social service agencies, or athletic environments, as part of their academic process. During these experiences, the student is expected to behave in a manner required of professionals working in this environment. COHSHS students may also be required to successfully complete a licensing/certification process following graduation. As a result, students in these programs are often held to a different academic and/or behavioral standard than students in other MSU programs. For example, students may not be allowed to progress in a program if they have been unsuccessful (D or F) in a certain number of courses in the major. In these circumstances, COHSHS faculty and administration, all of whom have had similar professional experience, may make decisions which negatively impact students’ programmatic progress.

COHSHS students have a right to a review of decisions made by the program faculty, which prevent individuals from progressing in their program in a timely manner. However, those who participate in the review must understand the context of the professions involved. Therefore, **issues concerning the professional conduct of students in the COHSHS will NOT be brought to the University Grade Committee, but to the COHSHS Student Conduct**

Appeals Committee. Specifically, the COHSHS Student Conduct Appeals Committee will review faculty decisions related to:

- Student conduct in a clinical experience, internship, or other work-related environment that negatively impacts the student's academic progress. This conduct may include behavior which is prohibited by licensing and/or professional standards or departmental policy.
- Student removal from a program because of a) professional conduct issues or b) failure to maintain academic standards required specifically by the program*

SEE COHSHS WEB SITE FOR A COMPLETE COPY OF THIS POLICY

The American with Disabilities Act:

Midwestern State University does not discriminate on the basis of an individual's disability and complies with Section 504 and the Americans with Disabilities Act in its admission, accessibility, and employment of individuals in programs and activities. MSU provides academic accommodations and auxiliary aids to individuals with disabilities, as defined by law, who are otherwise qualified to meet academic employment requirements. For assistance call (940) 397-4618 or (940) 397-4515.

It is the student's responsibility to declare any disabilities. After declaration, preferably at the beginning of each semester, the student needs to contact individual instructors to determine any reasonable accommodations that may be required.

Concealed Handguns on Campus

Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at <http://mwsu.edu/campus-carry/rules-policies>

Social Media

DO NOT:

Do not use any social media site related to Midwestern State University or the Dental Hygiene Dept. /Program to harass, threaten, insult, defame or bully another person or entity; to violate any College policy; or to engage in any unlawful act, including but not limited to gambling, identity theft or other types of fraud.

- Post or store content that is obscene, pornographic, defamatory, racist, excessively violent, harassing, threatening, bullying or otherwise objectionable or injurious.
- Post copyrighted content (such as text, video, graphics or sound files) without permission from the holder of the copyright. Remember, even information that is widely available to the public (such as text, photographs, or other material posted on the Internet) may be subject to copyright restrictions that prohibit unauthorized duplication or dissemination.