



**DENTAL HYGIENE DEPARTMENT**  
**Robert & Carol Gunn College of Health Sciences and Human Services**

## **DENTAL HYGIENE 3 - DNHY 4023**

**COURSE SYLLABUS (Fall 2021)**

**CREDIT:**

3 Credit Hour Lecture Course

**DAY/TIME:**

Monday and Wednesday  
10:00 to 11:30 am and clinical sessions as scheduled

**COURSE DELIVERY:**

This course will be delivered in a face-to-face format. It includes lecture and hands-on practice in the Gaines Dental Hygiene Clinic as applicable.

**LOCATION:**

Centennial Hall, Room 103 and Gaines Clinic as scheduled

**INSTRUCTOR:**

Ms. Barbara J. DeBois, RDH, MS  
Office: Centennial Hall Room 125, Ext. 4480  
Office Hours: Monday, Tuesday, and Thursday: 1:00 to 5:00 PM and Friday 8:00 to 11:30 AM per appointment.

**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.

**COURSE DESCRIPTION:**

Course Description from most current MSU Catalog (2020 to 2021)  
Prerequisite(s): DNHY 3004 , DNHY 3005 , DNHY 3102 . Concurrent enrollment in DNHY 4018 (Clinical Practice III). A study of the rationale, indications and/or contraindications, and utilization techniques for various procedures including pit and fissure sealants, ultrasonic scaling, periodontal scaling and root planning. The concepts of decision making are examined to help students become responsible and account for

their actions. Recognition and management of potentially life-threatening emergency situations are reviewed, with in-depth discussion of the etiological and/or precipitating factors, and the possible effects of these factors on the oral tissues. Emphasis is placed on the integration of this information with knowledge obtained in prerequisite courses to further develop critical thinking skills in obtaining comprehensive patient medical histories and development of dental hygiene treatment plans. This course must be taken in conjunction with Clinical Practice III to achieve cognitive, psychomotor, and affective skills in patient care procedures covered.

**REQUIRED COURSE TEXT:**

*Darby & Walsh Dental Hygiene Theory & Practice, 5th Ed., Bowen & Pieren*

*Students should have each of these textbooks from previous courses*

Wilkins Clinical Practice of the Dental Hygienist, 13<sup>th</sup> Ed. Boyd, Mallonee & Wyche

Fundamentals of Periodontal Instrumentation, 8<sup>th</sup> Ed. by Nield-Gehrig

MSU Clinic Manual sections will be provided by Dental Hygiene Program

**COURSE PURPOSE:**

The purpose of this course is to further the student's ability to provide comprehensive dental hygiene care to clinical patients. It will cover the didactic information necessary to enable the student not only to correctly perform various procedures on patients in Clinical Practice III, but to also understand the rationale behind the indications and/or contraindications for the procedures: pit and fissure sealants, periodontal debridement involving powered and manual scaling, and root debridement techniques.

This course will also enable the student to obtain a more comprehensive patient medical history by providing didactic information on various conditions/ diseases, specifically those that can commonly lead to the occurrence of a medical emergency situation in the dental office. Recognition and management of the emergency situation, as well as the etiological and precipitating factors, will be discussed. The concepts of clinician decision making, responsibility, and accountability are examined to assist the student in developing responsibility and accountability for accurate, consistent, and complete documentation for assessment, dental hygiene diagnosis, planning, implementation and evaluation of dental hygiene treatment.

**KEY CONCEPTS:**

1. Comprehensive dental hygiene care involves more than consideration of the oral cavity alone; it involves the entire physical, social, and mental condition of the patient.
2. Instrumentation involves a blend of technology and hand skills to accomplish the maximum potential.
3. Analysis of medical histories for dental/dental hygiene treatment requires a sound knowledge base of numerous physical/medical conditions to ensure the health and safety of the patient.
4. Individualized patient care plans involve critical thinking and problem solving on the part of the dental professional.

## **COURSE GOALS:**

Upon completion of this course the student should be able to:

1. Develop appropriate dental hygiene treatment plans based on analysis of patients' medical histories, assessment data and evidence-based treatment modalities.
2. Discuss the modifications and/or contraindications to dental/dental hygiene treatment various medical conditions and their underlying physiological actions may present.
3. Select the most appropriate method of instrumentation for patient treatment and demonstrate correct utilization of instruments selected.
4. Select the most appropriate supplemental treatment modalities and demonstrate correct applications.

## **COURSE OBJECTIVES:**

Given reading assignments, lecture, class discussion and lab and clinic work as applicable, upon completion of this course the student should be able to:

1. Describe how changing perspectives on the roles of calculus, plaque, and endotoxins in periodontal disease have affected the development of dental hygiene treatment over the past several decades.
2. Identify the rationale for use of the ultrasonic scaler, demonstrate its set-up, and properly utilize it in the laboratory setting on extracted teeth, and in the clinical setting on select patients (fellow students).
3. Discuss the evolution of root instrumentation and demonstrate proper treatment procedures on extracted teeth with specialized hand instruments.
4. Identify pit and fissure sealant candidates (individuals, as well as individual teeth); and properly place sealants on (a) extracted teeth and (b) designated fellow classmates.
5. Discuss various physical conditions/diseases and determine possible modifications and/or contraindications to dental/dental hygiene treatment.
6. Discuss various emergency situations that may occur in a dental office in regards to; etiological and/or precipitating factors; physiological activity that produces the clinical signs and symptoms; and management.
7. Discuss the ethical and legal aspects of the Good Samaritan Statute, Standard of Care, and Standard of Care in a Medical Emergency in regards to the dental hygienists responsibilities.
8. Analyze and determine the most appropriate approach to pain management during nonsurgical periodontal therapy.
9. Analyze and determine the most appropriate supplemental care procedures for nonsurgical periodontal therapy cases.
10. Develop treatment plans for medically and/or periodontally compromised patients
11. Integrate didactic information with clinical experiences to analyze, apply and formally present the relationships between selected patients' personal attitudes/beliefs, cultural influences, medical, dental and periodontal conditions.
12. Develop and formally present a *Case Presentation/Overview* of a clinical patient: outline the assessment findings, etiologic factors, and clinical data used to determine the dental hygiene diagnosis; explain the planned sequence of care based on this diagnosis; review the implemented treatment giving possible

rationales for expected/unexpected outcomes; and discuss rationale for maintenance care/recommendations.

13. Learning objectives related to specific topics are given for each class session.

## **COURSE EVALUATION:**

### **Examinations:**

Four examinations, including the senior 3<sup>rd</sup> Semester Final Exam, will be given for this course. Each exam will be comprehensive from the first class session and each will constitute 20% of the final course grade. Student 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 makeup examinations. Students will be allowed to make up only one (1) exam per semester. This **does not** include the Senior 3<sup>rd</sup> Semester Final Exam.

### **Final Exam:**

The Senior 3<sup>rd</sup> Semester Final Examination will constitute 20% of the final course grade. It is a 4 hour exam which will serve as the combined final exam for each of the courses offered in the 3<sup>rd</sup> semester of the dental hygiene curriculum; Dental Hygiene 3, Dental Health Education, and Pathology. The exam will consist of two sections:

1. Approximately 150 multiple choice questions covering the content of the courses listed above (Dental Hygiene 3, Dental Health Education, and Pathology) *AND*
2. A case based portion.

The case based portion of the exam (50 to 75 items) will incorporate content from *ALL dental hygiene courses taken to this point in time*. The case based portion will be figured into the final exam as bonus points. This format, rather than individual course final exams will more effectively assess the student's ability to combine didactic and clinical content, as well as aid in preparing the student for the National Board Dental Hygiene Exam.

Final Exam Grading: Students will receive a grade on Part One based on the 50 multiple choice items pertaining directly to Dental Hygiene 3 content. Points earned on Part Two, case based items pertaining to Dental Hygiene 3, will be added to Part One as bonus points to determine the final exam grade for this course. The values of Part Two items will be determined by the individual course instructor. Therefore, the points earned for Part Two items will vary between courses.

Water bottles, cell phones, hand-held calculators/computers are not allowed in the room during any examination. Possession of any of these items during an exam will be construed as academic dishonesty and will be dealt with accordingly.

### **Case Presentation Project:**

The Senior Case Presentation project will constitute 20% of the final course grade. Students will work in teams of two on this project. Each team will plan, develop and then formally present to the class a case presentation based on one of the team member's Clinical Practice 3 patients.

*The overall project is an integration of two components:*

1. *Case Presentation Written Report* of (a) Assessment, (b) Treatment plan development & rationale, (c) Patient education and rationale, (d) Treatment provided & rationale, and (e) Assessment of results.

2. *Oral Presentation of Case-* Groups will verbally present overviews of content listed for #1 to faculty, fellow seniors, and junior students. Depending on the status of the COVID-19 Pandemic groups will either present in person or via recorded methods.

Specific instructions/rubrics for each portion of this project will be passed out and discussed during the first DH 3 class session.

*All work on this project MUST conform to the MSU Dental Hygiene Department PRIVACY PRACTICE PROTOCOL. See complete policy Dental Hygiene Department Handbook Section 1.4*

Protocol to insure confidentiality regarding a patient's medical condition, oral health, and records in accordance with the Health Insurance Portability and Accountability Act (HIPAA) 1996. *Any breaches in patient confidentiality or privacy may result in disciplinary actions including:*

*Dismissal from the Dental Hygiene Program and A monetary fine of \$25,000 per HIPAA Violation*

### **INDIVIDUAL ACCESS TO PROTECTED HEALTH INFORMATION (PHI)**

Faculty and students may access PHI for the purpose of:

- Providing patient treatment in the Gaines Dental Hygiene Clinic (clinical and/or radiology areas).
- Full-filling class assignments for didactic and/or clinical dental hygiene courses. Only de-identified copies of PHI will be utilized by students for assignments in didactic and/or clinical courses outside of direct patient care.
- PHI will NOT be electronically transferred via cell phones, face book, etc.

### **Course Credit Values**

Exam 1      20%  
Exam 2      20%  
Exam 3      20%  
Final Exam 20%  
Senior Case 20%

### **Dental Hygiene Grading Scale**

92 to 100    A  
83-91        B  
75 to 82     C  
65 to 74     D      Failure in Dental Hygiene-Student cannot matriculate into next semester

**Attendance:**

More than two (2) absences for any reason will result in a loss of 5 points from the final course grade for EACH absence over the allowed 2. This includes the lecture and scheduled clinical sessions.

In cases of extreme illness and/or hospitalization, individual decisions may be made. Two (2) tardies will be the equivalent of one (1) absence. Students must be present for the entire class period to get credit for a class session. Students leaving class early will be counted as absent.

**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 Department. In cases of emergencies, please notify spouses, family and friends to contact you via the program secretary at 397-4764.

**COVID-19 Policies:**

Students must follow MSU and Clinical site protocols related to COVID-19. *Students who test positive for the COVID-19 virus MUST provide TWO negative tests in order to return to class and clinicals. MSU is following the CDC guidelines recommending the two test criteria for health care workers to return to work. Wichita County Public Health requires the two test criteria if you work closely with other people, two negative tests 24 hours apart to be released from isolation.*

**Social Media**

Do not use any social media site related to Midwestern State University or the Dental Hygiene Department/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.

**Concealed Handguns on Campus**

Senate Bill 11 passed by the 84<sup>th</sup> 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 [Campus Carry Rules](#).

## **The Americans 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

## **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 use of any unauthorized assistance in taking quizzes, tests, or examinations; Dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or 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 or 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 be 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 to 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\*



## Dental Hygiene 3 Course Schedule Fall 2021

Class Session	Activities/Assignments/Exams	Reading
8/23/2021	Course Introduction	Syllabus
8/24/2021	Pit & Fissure Sealants	Wilkins Ch 35 D&W Ch 35
8/25/2021 10-11:30 AM	Pain Management	Gehrig Ch 25 D&W Ch 42 & 43
8/25/2021 1-5:00PM	Powered Scaling	Gehrig Ch 26 D & W Ch 29 Wilkins pg 655-660
8/30/2021	Advanced Instrumentation	D&W Ch 30 Gehrig Ch 20 & 21
8/31/2021	Pain Management	Wilkins pg 621-641
9/01/2021	Advanced Instrumentation	See previous assign
9/06/2021	Labor Day Holiday	
9/08/2021	Exam 1	
9/13/2021	Advanced Case Treatment Planing	D&W Ch 22, 23 & 24 Gehrig Module 22
9/15/2021	Treatment Planing CDT Coding	Handouts
9/20/2021	Treatment Planing Local Delivery of Antimicrobials	D&W Ch 27 Wilkins pg 695-700
9/22/2021	Local Delivery of Antimicrobials	Webinar
9/27/2021	Exam 2	
9/29/2021	Exam 2 Debriefing	
10/04/2021	Special Needs Patients Risk for Dental Office Emergencies	D&W Ch11 & 13 Handouts
10/06/2021	Special Needs Patients-Etiology & Management of Unconsciousness	Handouts
10/11/2021	Special Needs Patients-Respiratory Problems – Blocked Airway and Hyperventilation in Dental Setting	D&W Ch 55
10/13/2021	Respiratory Problems- Asthma	Wilkins Ch 60
10/18/2021	Asthma	
10/20/2021	Heart Failure and COPD	D&W Ch 48 Wilkins Ch 60
10/25/2021	Heart Failure and COPD	
10/27/2021	Test Review	
11/01/2021	Exam 3	
11/03/2021	Diabetic Patient	D&W Ch 49 & 54 Wilkins Ch 54
11/08/2021	Diabetic Patient	
11/10/2021	Cerebral Vascular Accidents	Wilkins Ch 52

Class Session	Activities/Assignments/Exams	Reading
11/15/2021	Cerebral Vascular Accidents	
11/17/2021	Managing the Cancer Patient	Wilkins Ch 56 D&W Ch 50
11/18/2021	Senior Case Presentations 1:00-5:00 PM	
11/22/2021	Managing the Cancer Patient	
11/24/2021	Thanksgiving Holiday	
11/29/2021	Managing the Cancer Patient	
12/01/2021	Managing the Cancer Patient	
12/08/2021	Third Semester Final Exam 8:00-11:30 AM	