



Course Syllabus: Oral Pathology  
College of Health Sciences and Human Services  
DNHY 4003  
Fall 2024

Contact Information

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Textbook & Instructional Materials

Oral Pathology for the Dental Hygienist, 7<sup>th</sup> Ed, Ibsen & Phelan

Color Atlas of Common Oral Diseases, 5<sup>th</sup> Ed, Langlais & Miller

Course Description

**As published in the most current MSU Catalog (2024-2025)**

Introduction of the principles of human disease including pathogenesis, clinical appearance, and treatment. In certain instances, microscopic features will be discussed if they enhance the understanding of the disease process. A portion of the course is devoted to basic principles of general pathology with an emphasis on the dental hygienist's role in recognition of oral disease.

Course Purpose/Objectives

The purpose of this course is to establish a basis for the rational approach to clinical examination of patients. This requires a fundamental knowledge of oral and paraoral lesions as well as sufficient knowledge of systemic conditions to allow comprehensive evaluation of medical histories and formulation of a differential evaluation of oral conditions. Development of critical thinking skills in these areas will provide for the appropriate disposition of patients relative to treatment planning and for appropriate referral where necessary.

Given lecture, discussion and slide identification, upon successful completion of this course the student should be able to:

1. Define and appropriately use terminology related to the study of general and oral pathology.
2. Evaluate and analyze cardiovascular disorders and determine how they might affect dental hygiene treatment planning.
3. Describe the inflammatory process; differentiate between regeneration and repair.
4. Recognize and describe physical and chemical injuries of the oral tissues.
5. Explain the role of the immune response in controlling disease and in causing disease.
6. Describe clinical findings of autoimmune diseases that affect the oral cavity.
7. Differentiate bacterial, fungal, and viral infectious diseases.
8. Recognize and describe developmental disorders of the oral cavity.
9. Summarize the characteristics of the different neoplasms.
10. Compare benign and malignant tumors.
11. Identify the etiologies of squamous cell carcinoma.
12. Describe the complications associated with the treatment of squamous cell carcinoma.
13. Define the patterns of inheritance and describe inherited disorders/chromosomal abnormalities that affect the oral cavity and face.
14. Describe the oral manifestations of systemic diseases including; endocrine disorders, diseases of bone, blood disorders and immunodeficiency.
15. Identify lesions and oral manifestations of local and systemic diseases from presented clinical findings and histories.

SPECIFIC OBJECTIVES ARE PRESENTED FOR EACH CONTENT AREA/CLASS SESSION

#### Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Office of Student Conduct](#)

#### Grading/Assessment

Grading for this course will include homework assignments, quizzes, examinations and a group project. The final grade percentages are displayed in the table below.

Table 1: Percentage of final grade

Assignments	Percent
Quizzes	10
Homework	5
Group Presentation	5
Clinical Pathology findings	5
Examinations	75
Total Points	100

Table 2: Total points for final grade.

Grade	Dental Hygiene Grade scale
A	92-100
B	83-91
C	75-82
D	65-74
F	<73

75 Average is the minimum acceptable grade for successful completion of this course

#### Homework

Homework for each chapter will be assigned in advance. These will be due in D2L as noted on the course schedule. Homework assignments turned in late will be degraded by 50%. This average will comprise 5% of the final grade for this course.

#### Quizzes

It is the student's responsibility to stay current on the reading assignments for this course. It is important to read the material ahead of the class time in which it will be presented to gain a basic knowledge on that subject. Timed quizzes will be given to assess the student's knowledge after the subject is discussed in lecture. Quizzes will be given for each chapter following the class lecture and group presentation for that chapter. Quiz dates are noted within the course schedule. Make-up quizzes will follow the same policy as a make-up exam notated in the examinations section below. These will comprise 10 % of the final grade.

#### Exams

Four timed examinations including the final will be given during the semester. Each examination will be comprehensive from the first class session, but will emphasize the material presented since the last examination. The final examination will be a composite exit exam including all fall semester Dental Hygiene courses. These will comprise 75% of the final grade for this course.

#### MAKE-UP EXAMINATION

Students missing an exam due 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 only be allowed one make-up exam per semester. This does not include the final examination.

#### FINAL EXAMINATION (Senior 3<sup>rd</sup> Semester Exam):

Is a 4-hour examination 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; Pathology, Dental Hygiene 3 and Dental Health Education. The exam will consist of two sections: (1) approximately 150 multiple choice questions covering the content of the courses listed above and (2) a case based portion.

The case based portion of the exam (50-75 items) will incorporate content from ALL dental hygiene courses from the first, second and third semesters. 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 I based on the 50 multiple choice items pertaining directly to PATHOLOGY CONTENT. Points earned on Part 2's case based items pertaining to Pathology will be added to Part I as bonus points to determine the final exam grade for this course. The values of Part 2 items will be determined by the individual course instructor. Therefore, the points earned for Part 2 items will vary between courses.

Water bottles, cell phones, smartwatches, and hand-held calculators or 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.

#### GROUP PROJECT-BASED LEARNING ASSIGNMENT:

The goal of the course assignment is to create a project and present it in class using one of the "Classroom Active Learning Technique and Assessment" formats, or one of your choice. Student groups are required to make an appointment with the course instructor to discuss the design of the project and to review the grading rubric before developing the project. The rubric with instructions is posted in D2L and distributed at the beginning of the semester. This assignment will comprise 5% of the final grade.

#### Make Up Quizzes/Exams

Students missing an exam or quiz 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 only be allowed one make-up exam per semester. This does not include the final examination.

### Artificial Intelligence (AI) Policy

The use of generative Artificial Intelligence Tools (AI) that emulate human capabilities (EX: ChatGPT, Dall-e, Gamma, etc.) is permitted in this course for the following activities and must be disclosed (this includes all graded assignments and activities) in an explanatory appendix describing which tool was used and how (including illustrations and editing):

- Brainstorming and refining ideas
- Discovery of information on your topic
- Illustration of topic
- However, the use of AI tools (mentioned above) are prohibited for:
  - Discussion assignments
  - Completion of assignments
  - Making of PowerPoints
  - All written assignments

### Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

### Attendance

Students in dental hygiene lecture and laboratory courses (not dental hygiene clinical courses) are allowed only TWO (2) absences in each course during a semester. All absences are counted whether they are for excused and/or unexcused reasons. Any absence over the allowed number for each course will result in a 5 point grade reduction for each absence over the number allowed. The points will be taken off the final course grade. Being tardy two (2) times will be the equivalent of one absence. You will be considered tardy if you enter class after the lecture has begun. 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 (940) 397-4764.

## Online Computer Requirements

Students are responsible for maintaining their devices and ensuring that they are in proper working order throughout the semester. This includes maintaining access to the college wireless network, access to all accounts keeping passwords up to date. Students are expected to keep their devices up-to-date in regard to patches and OS updates. Computers are available on campus in various areas of the buildings as well as the Academic Success Center. 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](#). It is the student's responsibility to make sure they have access and the ability to have online assignments are turned ON TIME.

## Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

## College Policies

### Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

### Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by MSU TEXAS Adult students may smoke only in the outside designated-smoking areas at each location.

### Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

## Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

## Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled "*Run. Hide. Fight.*" which may be electronically accessed via the University police department's webpage: "[Run. Hide. Fight.](#)"

## Grade Appeal Process

Update as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#)

## 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

## Notice

Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

## Course Schedule

Date	Topic	Reading (for next class)	Homework (Due on date listed below) & Quiz Dates	Group Learning Assignments
Week 1 8/27	Intro/Syllabus Chapter 1 – Intro to Preliminary Diagnosis of Oral Lesions 1.1 Vocabulary 1.2 Diagnostic Process 1.3 Variations of Normal & Benign	Ibsen Ch 1 (p 1-24) Ch 2 (p 32-66)  Langlais Sect 1-2(p 1-28), pg 60		
Week 2 9/3	Finish Chapter 1 Chapter 2 – Inflammation & Repair 2.1 Vocabulary & Inflammation 2.2 Tissue Response to Injury 2.3 Injury to Oral Soft Tissue 2.4 Inflammatory Periapical Lesions	Ibsen Ch 3 (p 78-105)  Langlais – as noted on PP	Homework Ch 1-2 due 9/2 by 11 pm  <b>Quiz – Ch 1</b>	
Week 3 9/10	Finish Chapter 2 Chapter 3 - Immunity & Immunologic Oral Lesions 3.1 Immunologic Lesions 3.2 Autoimmune Diseases 3.3 Autoimmune Lesions	Ibsen Chapter 4 (p 116-138)	Homework Ch 3 due 9/9 by 11 pm  <b>Quiz Ch 2</b>	Group 1 – Ch 2
Week 4 9/17	Finish Chapter 3 Review for EXAM # 1		<b>Quiz Ch 3</b>	Group 2 – Ch 3
Week 5 9/24	<b>**EXAM # 1 (Chapters 1-3)**</b>  Chapter 4 – Infectious Diseases 4.1 Infectious Diseases- Bacterial 4.2 Infectious Diseases – Fungal & Viral 4.3 Infectious Diseases – HIV/AIDS	Ibsen Ch 5 (p 149-173)  Langlais – as noted on PP		
Week 6 10/1	Finish Chapter 4 Chapter 5 – Developmental Disorders 5.1 Normal development & soft tissue abnormalities 5.2 Developmental Cysts 5.3 Developmental Abnormalities of Teeth	Ibsen Ch 6 (p 186- 209)  Langlais – as noted on PP	Homework Ch 4 - 5 due 9/30 by 11 pm  <b>Quiz Ch 4</b>	Group 3 – Ch 4
Week 7 10/8	Finish Chapter 5 Chapter 6 – Genetics 6.1 Chromosomes & Cell Division 6.2 Chromosomal Abnormalities & Inheritance Patterns for Gingival Disorders		Homework Ch 6 due 10/7 by 11 pm  <b>Quiz Ch 5</b>	Group 4 – Ch 5
Week 8 10/15	Finish Chapter 6 Review for EXAM #2		<b>Quiz Ch 6</b>	Group 5 – Ch 6
Week 9 10/22	<b>**EXAM # 2 (Chapters 4-6)**</b> & cumulative from beginning			



Date	Topic	Reading (for next class)	Homework (Due on date listed below) & Quiz Dates	Group Learning Assignments
	<b>Chapter 7 – Neoplasia</b> 7.1 Vocabulary, Neoplasia & Tumors 7.2 Salivary Gland & Odontogenic Tumors 7.3 Tumors of Soft Tissue 7.4 Tumors of Bone & Cartilage	Ibsen Ch 7 – 8 (p 218-245, 258-264)  Langlais – as noted on PP		
<b>Week 10</b> 10/29	<b>Finish Chapter 7</b> <b>Chapter 8 – Nonneoplastic Diseases of Bone</b>	Ibsen Ch 9 (p272-292)  Langlais – as noted on PP	Homework Ch 7- 8 due 10/28 by 11 pm  <b>Quiz Ch 7</b>	<b>Group 6 – Ch            7</b>
<b>Week 11</b> 11/5	<b>Finish Chapter 8</b> <b>Chapter 9 – Oral Manifestations of Systemic Diseases</b> 9.1 Endocrine Disorders 9.2 Blood Disorders	Ibsen Ch 10 (p304-314)  Langlais – as noted on PP	<b>Quiz Ch 8</b>	<b>Group 7 – Ch            8</b>
<b>Week 12</b> 11/12	<b>Finish Chapter 9</b> <b>Chapter 10 – Orofacial &amp; TMJ Disorders</b> <b>Review for Exam # 3</b>		Homework Ch 9 – 10 due 11/11 by 11 pm  <b>Quiz Ch 9 &amp; 10</b>	<b>Group 8 – Ch            9</b>
<b>Week 13</b> 11/19	<b>**Exam # 3 (Chapters 7 – 10)**</b> <b>&amp; cumulative from beginning</b> <b>Review for Final Exam</b>			
<b>Week 14</b> 11/26	<b>TURKEY WALK –NO CLASS</b>			
<b>Week 15</b> 12/3	<b>Review for Final Exam</b>		<b>Clinic Path            Findings due            12/4 by 5 pm</b>	
<b>Week 16</b> 12/9	<b>**Cumulative 3<sup>rd</sup> Semester Final **</b>			