

Course Information

Course Number: DDHS 4015
Course Title: Pharmacology
Time: Fall 2023, Mondays 9AM-11AM
Location: Room 6-SOD Main Building
Credit Hours: 1.5

Instructor Details

Instructor: Celeste M. Abraham, BS, DDS, MS
Office: Room 142- COD Main Building
Phone: 214-828-8467
E-Mail: celeste-abraham@tamu.edu
Office Hours: Please email me to set an appointment. I will respond to your email within 24-48 hours.

Course Description

Actions, indications, and contraindications of drugs; emphasis on drugs frequently encountered in dentistry. Emphasis is placed on the relationship of pharmacology to the practice of dental hygiene.

Course Prerequisites

Completion of third year courses in dental hygiene

Course Objectives

At the conclusion of the course the student will be able to:

1. Identify pharmaceutical agents commonly used by dental hygienists and dentists
2. Discuss the use and pharmacologic effects of drugs commonly used in the dental office
3. Contrast and compare the routes of administration and the means of absorption and elimination of drugs commonly used in the dental office
4. List the classification of drugs and name commonly used brand and generic names in each category of pharmacologic agents prescribed by physicians
5. List drugs commonly prescribed by physicians which may alter the treatment of the dental patient
6. Differentiate signs and symptoms of adverse drug reactions
7. Identify the parts and explain the contents of each part of a prescription
8. Identify drugs that patients take for medical conditions and understand their basic pharmacology and the rationale for using the specific drug
9. Identify drugs that patients take for medical conditions and understand their potential adverse effects and drug interactions.

For each assigned chapter, there are learning objectives in the form of chapter summary questions under the section entitled Clinical Skills Assessment

Textbook

Applied Pharmacology for the Dental Hygienist by Elena Bablenis Haveles, 8th Edition, 2020.

All text assignments require reading.

Please read all the small boxes in the text which apply to management of the dental patient using a particular drug classification in each chapter. Please review any figures noted in the text chapters and the review questions at the end of the chapters.

The textbook should be brought to each class session.

Additional learning materials: Lecture Handouts and Journal Literature Readings.

Grading Policy

The grading for the course will be based on the quizzes and the final exam.

Quizzes:

14 quizzes, based on the weekly lecture-discussion and the required text, are scheduled.

No make-up quizzes will be allowed except for emergent events that may occur.

Missed quizzes, which are make-up quizzes, will have to be made up in a timely manner at the convenience of the course director.

The makeup quiz may consist of a multiple-choice exam, an oral exam and/or essay exam.

Any questions about grades on quizzes must be presented to the course director within one week of the posting of the grades.

Of the 14 quizzes, the two lowest grades will be dropped. The remaining 12 quizzes will account for 70% of the final grade.

Final Exam:

A comprehensive, closed-book two-hour final exam will be held as scheduled.

The final exam will be composed of multiple-choice and/or short-answer questions.

This final exam will account for 30% of the final grade.

Grading Scale:

A=90-100 %

B=80-89 %

C=75-79 %

F= <75%

Course Schedule

Date	Session Title/Topic	Instructor
8-14-23 (Week 1)	Information, Sources and Regulatory Agencies; Drug Action and Handling; Adverse Reactions; Prescription Writing/ Chapters 1-3	Dr. Abraham
8-21-23 (Week 2)	Autonomic Drugs/ Chapter 4/ Quiz #1(covers Chap 1-3)	Dr. Abraham
8-28-23 (Week 3)	Nonopioid and Opioid Analgesics/Chapters 5-6 / Quiz #2(Covers Chap 4)	Dr. Abraham
9-4-23 (Week 4)	<u>Labor Day Holiday: No Class</u>	<i>No Class</i>
9-11-23 (Week 5)	Anti-infective, Antiviral, and Antifungal Agents/Chapters 7-8/ Quiz #3(Covers Chap 5-6)	Dr. Abraham
9-18-23 (Week 6)	Antianxiety Agents/Chapter 11/ Quiz #4(Covers Chap 7-8)	Dr. Abraham
9-25-23 (Week 7)	Drugs for the Treatment of Cardiovascular Disease/ Chapter 12/Quiz #5(Covers Chap 11)	Dr. Abraham
10-2-23 (Week 8)	Drugs for the Treatment of Gastrointestinal Disease/ Chapter 13/ Quiz #6(Covers Chap 12)	Dr. Abraham
10-9-23 (Week 9)	Drugs for the treatment of Seizure Disorders and Central Nervous System Disorders/ Chapters 14-15/ Quiz #7(Covers Chap 13)	Dr. Abraham
10-16-23 (Week 10)	Adrenocorticosteroids/ Drugs for the Treatment of Respiratory Disorders/ Chapters 16-17/ Quiz #8(Covers Chap 14-15)	Dr. Abraham
10-23-23 (Week 11)	Drugs for the Treatment of Allergic Rhinitis/Drugs for the Treatment of Diabetes Mellitus/ Chapters 17-18/ Quiz #9(Covers Chap 16-17)	Dr. Abraham
10-30-23 (Week 12)	Drugs for the Treatment of other Endocrine Disorders / Antineoplastic Drugs/ Chapters 19-20/ Quiz #10(Covers Chap 17-18)	Dr. Abraham
11-6-23 (Week 13)	Emergency Drugs/ Pregnancy and Breast Feeding/Chapters 21-22/ Quiz #11(Covers Chap 19-20)	Dr. Abraham
11-13-23 (Week 14)	Substance Abuse Disorders/Natural and Herbal Products and Dietary Supplements/ Chapters 23-24/ Quiz #12(Covers Chap 21-22)	Dr. Abraham
11-20-23 (Week 15)	<u>Fall Recess: No Class</u>	<i>No Class</i>
11-27-23 (Week 16)	Oral Conditions and Their Treatment/ Hygiene-Related Disorders/Chapters 25-26 / Quiz #13(Covers Chap 23-24)	Dr. Abraham
12-4-23 (Week 17)	Quiz #14(Covers Chapters 25-26)/ Review for the Final Exam	Dr. Abraham
12-11-23 (Week 18)	Final Examination	Dr. Abraham

Technology Support

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 (both TAMU and TAMU Health) and keeping passwords up to date. Students are expected to keep their devices up-to-date in regard to patches and OS updates.

Division of IT

If the student experiences issues with an electronic device, Wi-Fi access, Axiom, Zoom, or user accounts, their first point of contact should be the Division of IT Central Help Desk or the local Division of IT at COD. The Central Helpdesk provides 24-hour support.

Division of IT Central Help Desk
Website: <https://it.tamu.edu/help/>
Phone: 1-979-845-8300
Email: helpdesk@tamu.edu
COD Local Division of IT Office
Room: 529
Phone: 214-828-8248

COD Instructional Design Team

For electronic exam support or problems concerning other academic technology, such as the LMS (Blackboard or Canvas), Exam Soft, or Exemplify, students should contact the Instructional Design team.
Room: 516 through Academic Affairs
Carmina Castro - ccastro@tamu.edu (214-828-8316)
Jeff Lowry - lowryj1@tamu.edu (214-828-8243)

University Policies

Attendance Policy and Makeup Work Policy

Texas A&M University School of Dentistry views class attendance as an individual student responsibility. In the dental hygiene program, punctual attendance is mandatory for scheduled or rescheduled classes, clinics, and related activities/events. The course director will check attendance at the start of the class/activity. Students who are not present at that time will be marked absent.

IMPORTANT: All absences must be reported to Pam Hines by PHONE at 214-828-8340 and must be received prior to the beginning of the class/activity.

Excused Absences

Illnesses or emergencies: It is understood that absences due to severe or contagious illness, injuries or emergencies may occur. An absence due to illness may require a medical confirmation note from a student's medical provider. For injuries or illnesses that require a student to be absent from class for three or more business days, a note from his or her medical provider is mandatory. If a student has frequent sick days, the program director may require a medical provider's note for each absence. Note: An absence for a non-acute medical service does not constitute an excused absence.

Religious holy day: A student whose absence is excused under, or the observance of religious holy day will be allowed to take an examination or complete an assignment from which the student is excused within 3 days after the absence. If the student fails to schedule and complete the exam or assignment within three days, a grade of zero will be given.

For additional information on excused absences, see Texas A&M Student Rule 7.1 at <https://student-rules.tamu.edu/rule07>.

Unexcused Absences

Tardiness and non-emergent appointments (illnesses not considered severe or contagious) scheduled during class time will be considered an unexcused absence. Quizzes and exams start at the beginning of class time. Students who arrive late will not receive extra time to take the quiz/exam. Since classroom learning applies directly to patient care, sleeping in class is considered an unexcused absence and is subject to the remediation policy. **Students with unexcused absences or late arrivals will have TWO points deducted from their final course grade.** No make-up quiz/test will be given if an absence is unexcused on a test day. Examinations will not be administered in advance for a planned/anticipated unexcused absence.

General Information

The designation of excused or unexcused absence will be determined on an individual basis by the Program Director and Student Affairs. For any absences (excused or unexcused), it will be the student's responsibility to review the lecture recordings for the class(es) missed. Additionally, the student must complete a make-up assignment(s) within 10 calendar days (including weekends) after returning to school. The make-up assignment will require the student to thoroughly answer the learning objectives for the class session(s) and define any listed terminology. The assignment must demonstrate the student has listened to the recording(s) and read the assigned reading.

Make-up assignments must be typed, contain the title of the missed class session(s) and be sent via email within the 10-calendar-day deadline. **Failure to complete the make-up assignment(s) within this time frame will result in TWO points being deducted from student's final grade.**

IMPORTANT: Failure to remediate all absences (excused or unexcused) by the final exam or end of semester may result in an "F" for the course.

To review the comprehensive Texas A&M University student attendance rule, go <http://student-rules.tamu.edu/rule07>.

The university views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments.

Please refer to [Student Rule 7](#) in its entirety for information about excused absences, including definitions, and related documentation and timelines.

Academic Integrity Statement and Policy

“An Aggie does not lie, cheat or steal, or tolerate those who do.”

“Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must always keep appropriate records. The inability to authenticate one’s work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case” ([Section 20.1.2.3, Student Rule 20](#)).

You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu.

Americans with Disabilities Act (ADA) Policy

Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact the Office for Academic Affairs in the Administration Building, Room 514 or at 214-828-8978 or bramsey@tamu.edu. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability-related needs with Disability Resources and their instructors as soon as possible.

Title IX and Statement on Limits to Confidentiality

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see [University Rule 08.01.01.M1](#)):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention – including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most instances, a person who is subjected to the alleged conduct will be able to control how the report is

managed, including whether or not to pursue a formal investigation. The University's goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with [Counseling and Psychological Services](#) (CAPS).

Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the University's [Title IX webpage](#).

Statement on Mental Health and Wellness

Texas A&M University recognizes that mental health and wellness are critical factors that influence a student's academic success and overall wellbeing. Students are encouraged to engage in healthy self-care by utilizing the resources and services available from Counseling & Psychological Services (CAPS). Students who need someone to talk to can call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at suicidepreventionlifeline.org.