Course Information

Course Number: DDHS 4015  
Course Title: Pharmacology  
Time: Mondays 9AM-11AM  
Location: Room 134-COD 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


All text assignments are required 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 with the exception of 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

<table>
<thead>
<tr>
<th>Date</th>
<th>Session Title/Topic</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-16-21</td>
<td>Information, Sources and Regulatory Agencies; Drug Action and Handling; Adverse Reactions; Prescription Writing/ Chapters 1-3</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>8-23-21</td>
<td>Autonomic Drugs/ Chapter 4/ Quiz #1(covers Chap 1-3)</td>
<td>Dr. Abraham</td>
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<tr>
<td>8-30-21</td>
<td>Nonopioid and Opioid Analgesics/Chapters 5-6 / Quiz #2(Covers Chap 4)</td>
<td>Dr. Abraham</td>
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<tr>
<td>9-6-21</td>
<td><strong>Labor Day Holiday: No Class</strong></td>
<td>Dr. Abraham</td>
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<tr>
<td>9-13-21</td>
<td>Antiinfective , Antiviral, and Antifungal Agents/Chapters 7-8/ Quiz #3(Covers Chap 5-6)</td>
<td>Dr. Abraham</td>
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<tr>
<td>9-20-21</td>
<td>Antianxiety Agents/Chapter 11/ Quiz #4(Covers Chap 7-8)</td>
<td>Dr. Abraham</td>
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<tr>
<td>9-27-21</td>
<td>Oral Conditions and Their Treatment/ Hygiene-Related Disorders/Chapters 12-13/Quiz #5(Covers Chap 11)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>10-4-21</td>
<td>Drugs for the Treatment of Cardiovascular Disease/ Chapter 14/ Quiz #6(Covers Chap 12-13)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>10-11-21</td>
<td>Drugs for the Treatment of Gastrointestinal Disease/ Chapter 15/ Quiz #7(Covers Chap 14)</td>
<td>Dr. Abraham</td>
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<tr>
<td>10-18-21</td>
<td>Drugs for the treatment of Seizure Disorders and Central Nervous System Disorders/ Chapters 16-17/ Quiz #8(Covers Chap 15)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>10-25-21</td>
<td>Adrenocorticosteroids/ Drugs for the Treatment of Respiratory Disorders/ Chapters 18-19/ Quiz #9(Covers Chap 16-17)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>11-1-21</td>
<td>Drugs for the Treatment of Allergic Rhinitis/Drugs for the Treatment of Diabetes Mellitus/ Chapters 20-21/ Quiz #10(Covers Chap 18-19)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>11-8-21</td>
<td>Drugs for the Treatment of other Endocrine Disorders/ Antineoplastic Drugs/ Chapters 22-23/ Quiz #11(Covers Chap 20-21)</td>
<td>Dr. Abraham</td>
</tr>
<tr>
<td>11-15-21</td>
<td>Emergency Drugs/ Pregnancy and Breast Feeding/Chapters 24-25/ Quiz #12(Covers Chap 22-23)</td>
<td>Dr. Abraham</td>
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<tr>
<td>11-22-21</td>
<td><strong>Fall Recess: No Class</strong></td>
<td>Dr. Abraham</td>
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<tr>
<td>11-29-21</td>
<td>Drug Abuse/Natural and Herbal Products and Dietary Supplements/ Chapters 26-27/ Quiz #13(Covers Chap 24-25)</td>
<td>Dr. Abraham</td>
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<tr>
<td>12-6-21</td>
<td>Quiz #14(Covers Chap 26-27) and a Review for the Final Exam</td>
<td>Dr. Abraham</td>
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<tr>
<td>12-13-21</td>
<td>Final Examination</td>
<td>Dr. Abraham</td>
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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 regards to patches and OS updates.

Division of IT
If the student experiences issues with an electronic device, Wi-Fi access, Axium, 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 Examplify, 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
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.

Makeup Work Policy
Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student’s grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the instructor.
Please refer to Student Rule 7 in its entirety for information about makeup work, including definitions, and related documentation and timelines.

Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor” (Student Rule 7, Section 7.4.1).

“The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence” (Student Rule 7, Section 7.4.2).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. (See Student Rule 24.)

**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 keep appropriate records at all times. 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 handled, 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.