



OLD DOMINION UNIVERSITY

SCHOOL OF DENTAL HYGIENE

COURSE NUMBER & TITLE: DHYG 201; Dental Pharmacology for the Dental Hygienist

CURRICULUM LEVEL: Undergraduate Senior Level

COURSE CREDIT HOURS: Three (3) hours

CLASS LOCATION: ODU main campus, Health Sciences Bldg., Room 110

CLASS DAY & TIME: Wednesday, 10:00 am to 11:00 am (EST)

COURSE DESCRIPTION & PURPOSE: Study of pharmaceutical drugs as related to the clinical practice of dental hygiene. Emphasis is on learning the therapeutic uses, adverse effects, and impact of pharmaceutical drugs. Topics will include drugs in dentistry, anesthetic drug emergency drugs, herbal products, dietary supplements, drug absorption, distribution, metabolism, interactions in the human body, and drugs that may alter patient treatment. This course provides the necessary knowledge of pharmacology to dental hygiene students. Through this course, students will become proficient in identifying various medications in the patient's medical history as well as necessary considerations needed for dental hygiene treatment.

PREREQUISITES: DHYG 100

INSTRUCTOR: Senior Adjunct instructor Reyhaneh Nejad, RDH, BS

Office Location: ODU Main Campus, Health Sciences Building, Room 310

Office Hours: Tuesdays from 1:00 pm to 3:00 pm and Fridays from 10:00 am to 11:00 am (EST),

Office Phone: (410) 683-5152

Email Address: rnej001@odu.edu

INSTRUCTOR EMAIL POLICY: Please contact me using ONLY ODU email address rnej001@odu.edu. Messages will be checked daily and responded to as soon as possible. Please be patient with responses during weekends and holidays.

METHODS OF DELIVERY: This course is conducted face-to-face. The course will utilize lectures, class participation, audio-visual aids, group activities written assignments, reading assignments,

continuing education from accredited Dental websites, videos, and Internet activities. The canvas learning management system provided to you is where course content will be housed.

REQUIRED TEXTBOOK:

Elena Bablenis Haveles, BS Pharmacy, PharmD, RPh. (2020). Applied Pharmacology for the Dental Hygienists (8th ed). Elsevier: Missouri. ISB 978-0-323-59539-1

SUPPLEMENTAL READINGS: Articles, internet reading, and dental care continuing education will be provided within the modules and Additional resources section.

RECOMMENDED TEXTS: Some assignments for this course require the use of APA style referencing. It is strongly recommended that you obtain the book: Publication Manual of the American Psychological Association (latest edition).:
American Psychological Association. (2009). Publication manual of the American Psychological Association (7th ed.). Washington, D.C. ISBN 978143380561

METHODS OF EVALUATION: Throughout the semester, students will be assessed for the achievement of course goals and objectives by a variety of methods including quizzes, tests, final exam, group & individual activities, assignments, and written work. Below is a list of graded requirements:

List of Graded Assessments:	
	The following is a list of graded assessments. Due dates can be found in the schedule and will be discussed in class.
1.	Homework - Instruction for each homework can be found in Canvas.
2.	Two (2) quizzes -Multiple choices and matching
3.	Midterm Exam - multiple choice, matching, and short answers
4.	Final Examination -multiple choice, matching, and short answers

TESTING PROTOCOL: Tests/Exams may cover textbook chapters, lecture materials, assigned readings, PowerPoints, and handouts. The final exam will be comprehensive. Tests and exams, and quizzes will be administered in class using Respondus Lockdown Browser. ODU’s laptops will be provided for all the quizzes, tests, and exams.



How to take tests: 1) Put your smartphone in airplane mode. 2) Using ODU's provided laptop log in to your Canvas account. 3) Select the test 4) you will be guided to use the Respondus which has already been installed on the laptop 5) Begin your test.

Please note there is a time limit for taking the test. The tests will be open and closed at the assigned time. BE ON TIME!

GRADING CRITERIA:

ASSIGNMENT WEIGHTS:

Assignment	Undergraduate DHYG 201
Homework (individual activity)	25%
Quizzes	20%
Midterm Exam	25%
Final Examination	30%
Total Grade	100%

GRADING SCALE:

92 - 100	A
85 - 91	B
77 - 84	C
70 - 76	D
69 and below	F

ATTENDANCE POLICY: Students are expected to attend all regularly scheduled classes in order to fulfill the requirements of the course. Attendance grades will NOT be counted towards the final, overall, grade.

It is the student's responsibility to communicate with the course instructor and seek any work that may be missed in the event that a student may be absent.

If a quiz or an exam is given at the beginning of the class session and the student is late, the instructor will not give extra time for the student to complete the exam or quiz. It is important that students arrive on time for dates when there is a quiz or exam.

MISSED TESTS & EXAMS: If a quiz, exam, or test is missed, the student is required to communicate with the instructor and schedule a make-up examination. The make-up examination may be different from the one given to the other students. The student may be asked to provide documentation with respect to the examination that was missed (doctor's note, etc.). Make-up exams will take place in the testing center according to the time and date approved by the instructor. The student is required to contact the test center and make an appointment.

Test center information: Phone: 443-518-1280, Location: RCF-359

SUBMITTING ASSIGNMENTS: Assignments must be submitted by the due date and time specified on the schedule. Submission guidelines are provided in Canvas for each assignment. Electronic assignments must be submitted in Microsoft Word documents (.docx) or as a .pdf file version. Do not take a picture of the assignment and submit it as a file. No point will be received. Make sure to include your name and last name in the header of each page. If you have technical difficulty use the Help Center Icon on the Left side of the course main page and request support. If your technical issue was not addressed in time email your instructor immediately to avoid the late submission point deduction.



LATE ASSIGNMENTS: Any course assignment that is not received on time will receive a 5 points deduction in the total grade for each day (including Saturday and Sunday) that the assignment is late. **Assignments that are due in the last week of the lecture must be submitted 2 days prior to the final exam date to receive points 5-point deduction for each day late will be applied.**

STUDENT EXPECTATIONS: As representatives of the dental hygiene profession, students are expected to display professional conduct not only in lecture settings but at all times. Students are expected to demonstrate professional behavior in their interactions with ODU faculty and staff. When communicating via email, consider email etiquette. Please refer to the Program Manual for more details on professionalism expectations. Students are responsible for their own learning. For successful learning, you must devote your time, energy, and focus. In order to be successful in this course:



- Attend class and pay attention.
- Come to the class prepared by reading the chapters before class.
- Ask questions.
- Check your canvas announcements regularly.
- Fully participate in group activities and discussions
- Respect others and give everyone a chance to have an opinion.
- Be on time with your assignments.
- Do not cram.
- Prepare for the test.
- Maintain academic integrity.
- Communicate with your instructor. Ask for help if needed.

COMPUTER AND CELL PHONE USE IN CLASS: Cell phones are a distraction and should not be visible during class. Please put all cell phones on silent mode or turn them off prior to the beginning of class. Initially, a verbal warning will be given to put away the phone. If there continues to be any distraction caused by the cell phone the student may be asked to leave the classroom. Students are permitted to use their personal laptops ONLY to take notes and participation in class-related activities. Any other use of a laptop during class is prohibited.

GENERAL COMPUTER AND TECHNICAL REQUIREMENTS: Canvas system will be used in this course. For accessing the Canvas students are required to use their student's ODU ID and password. Students need to have access to computers with the internet. Google Chrome or Firefox are the preferred internet browsers to access Canvas. In the case of any technical questions please contact ODU technical support center at 443-518-4444

In addition, students are required to register on the **Dentalcare.com** website and obtain their ID and password. Students will be using their dental care accounts for class activities and assignments. More information can be found in the Additional Resources of this course.

**IMPORTANT ADDITIONAL UNIVERSITY & SCHOOL OF DENTAL HYGIENE STATEMENTS:
STATEMENT OF STUDENT RESPONSIBILITIES AND ACCOUNTABILITIES:**

Attendance. Due to the unique responsibilities and accountabilities associated with becoming a competent professional provider of health care, the progressive nature of the curriculum, the legal issues associated with providing patient/client care, the provision of quality health services, and future employability, attendance, and class participation are required. Should an absence be necessary, the student must contact the course instructor immediately via email and call the School of Dental Hygiene at : 757-683-3338

- A note on official stationary from a physician or other appropriate healthcare provider must be submitted to your instructor(s) the day you return verifying the need to be excused from class, lab and/or clinic, and date(s) for the required absence.
- Make up quizzes, tests and exams will not be given for unexcused absences.
- Late arrivals to class are considered unexcused absences.
- Students who miss a regularly scheduled test are to follow the steps below:
 1. For an unexcused absence, a grade of zero (0) will be recorded for the quizzes, tests, exams, practicals, and for attendance.
 2. For an excused absence, make-up quizzes, tests, exams and practicals must be taken within two days of returning from a documented excused absence. Failure to do so will result in a zero (0) for that quiz, test, exam or practical. Make-up test format will be decided by instructor. Possible formats will include but not be limited to:
 - a. oral exam
 - b. essay
 - c. short answer
 - d. listing
 - e. demonstration/performance

f. combination of these

Meeting Established Deadlines. All course related assignments are to be submitted to the course instructor on the established due dates. Work submitted after the established deadlines will be penalized by the grade. Students are encouraged to keep a duplicate copy of all assignments submitted.

Honor Code. By attending Old Dominion University you have signed a pledge accepting the responsibility to abide by the following Honor Code: "We the students of Old Dominion University, aspire to be honest and forthright in our academic endeavors. Therefore, we will practice honesty and integrity and be guided by the tenets of the Monarch Creed. We will meet the challenge to be beyond reproach in our actions and our words. We will conduct ourselves in a manner that commands the dignity and respect that we also give to others." This is an institutional policy approved by the Board of Visitors. The University Honor Code applies to all assignments.

Plagiarism. All academic work submitted to fulfill a course requirement is expected to be result of each student's own thought, research and self-expression. A student will have committed plagiarism if he or she reproduces someone else's work without acknowledging its source; or if a source is cited which the student has not cited or used. Examples of plagiarism include: submitting a research paper obtained from a commercial research service, the Internet, or from another student as if it were original work; making simple changes to borrowed materials while leaving the organization, content, or phraseology intact; or copying material from a source, supplying proper documentation, but leaving out quotation marks. Plagiarism also occurs in a group project if one or more of the members of the group does none of the group's work and participates in none of the group's activities, but attempts to take credit for the work of the group.

Code of Student Conduct. All students are expected to abide by the Student Code of Conduct as found in the *Old Dominion University Student Handbook* and *University Catalog*. The School of Dental Hygiene undertakes to provide persons treated in the Dental Hygiene Care Facility with safe, ethical, and evidence-based oral healthcare. Endangering health and welfare by use of unsafe and unethical practices and /or not following standard dental hygiene treatment protocols is grounds for the removal of students from the dental hygiene program. Students' papers and projects may be used anonymously for necessary review without notification.

Accommodations. Students are encouraged to self-disclose disabilities that have been verified by the Office of Educational Accessibility by providing Accommodation Letters to their instructors early in the semester in order to start receiving accommodations. Accommodations will not be made until the Accommodation Letters are provided to instructors each semester.

School of Dental Hygiene Policy on Professionalism in the Use of Social Media:

The Internet has created the ability for dental hygiene students and oral health professionals (dental hygienists and dentists) to communicate and share information quickly to reach millions of people easily. Participating in social networking and other similar Internet opportunities can support students' and dental hygienists' personal expression, enable individuals to have a professional presence online, foster collegiality and camaraderie within the profession, provide opportunity to disseminate public health and other health messages. Social networks, blogs,

and other forms of communication online also create new challenges to the patient-oral health provider relationship. Oral health professionals and students must weigh a number of considerations when maintaining a presence online.

- (a) Standards of patient and colleague privacy and confidentiality must be maintained in all environments, including online, and oral health professionals and students must refrain from posting identifiable person information online.
- (b) When using the Internet for social networking, oral health professionals and students must use privacy settings to safeguard personal information and content to the extent possible, but realize that privacy settings are not absolute and that once on the Internet, content is likely there permanently. Thus, oral health professionals and students should routinely monitor their own Internet presence to ensure that the personal and professional information on their own sites and, to the extent possible, content posted about them by others, is accurate and appropriate.
- (c) If interacting with patients on the Internet, oral health professionals and students must maintain appropriate boundaries of the patient-oral health provider relationship in accordance with professional ethical guidelines just as they would in any other context.
- (d) To maintain appropriate professional boundaries oral health professionals and students should consider separating personal and professional content online.
- (e) When oral health professionals or students see content posted by colleagues that appear unprofessional or a violation of the Code of Ethics of the American Dental Hygienists' Association, they have a responsibility to bring that content to the attention of the individual, so that he or she can remove it and/or take other appropriate actions. If the behavior significantly violates professional norms and the individual does not take appropriate action to resolve the situation, the dental hygienist and or students should report the matter to appropriate authorities, e.g., the State Board of Dentistry, the University Honor Council.
- (f) Oral health professionals and students must recognize that actions online and content posted may negatively affect their reputations among patients, colleagues, employers and potential employers and may have consequences for their careers now and in the future, and can undermine public trust in the dental hygiene profession.

Adapted heavily from the AMA Policy: Professionalism in the Use of Social Media Approved - May 17, 2012.

ODU reign responsibly/commitment to adhering to coronavirus safety guidelines: The university will work to create a campus environment that supports safe behaviors and reduces the spread of COVID-19 (Coronavirus). A healthy environment will only be supported if everyone – students, faculty, staff, and visitors - takes responsibility for their own health and safety and the health and safety of those around them. We all must make a commitment to following current Center for Disease Control and Prevention (CDC) and the Virginia Department of Health guidance and best practices. While Old Dominion University cannot guarantee immunity from sickness, we will do our best to provide a healthy environment. We will be directed by the Governor's guidelines as well as the guidance of health officials. As a Monarch citizen, you are

encouraged to reign responsibly by demonstrating such care for protecting yourself and others through your compliance. By adhering to safety guidelines, you are helping to keep your family and friends safe along with other students, faculty and staff and their families—Monarch Nation is everywhere! **COMMITMENT STATEMENT:** As a Monarch, I commit to taking the following actions to Reign Responsibly in reducing the spread of the Coronavirus:

1. Staying Informed

- I commit to completing any Coronavirus related training provided by the University.
- I commit to visiting the ODU Coronavirus page to stay informed on University guidelines and updates.

2. Following Guidelines

- I commit to following guidelines set forth by the University and the Commonwealth of Virginia.
 - Wearing face coverings and practicing physical distancing.
 - Cleaning my hands frequently with soap and water for at least 20 seconds or using hand sanitizer that contains at least 60% alcohol.

3. Caring for Yourself

- I commit to self-monitor for Coronavirus symptoms daily.
- I commit to avoiding close contact with people.
- I commit to staying home and contacting my health provider if I am exhibiting any symptoms of the Coronavirus.

4. Caring for others

- I commit to maintaining a clean space by disinfecting or cleaning frequently touched surfaces daily.
- I commit to participating in screening and testing to help reduce the spread of the Coronavirus.

Course Disclaimer: Every attempt is made to provide a syllabus that is complete and that provides an accurate overview of the course. However, circumstances and events may make it necessary for the instructor to modify the syllabus during the semester. This may depend, in part, on the progress, needs, and experiences of the students.

GENERAL COURSE OBJECTIVES:

At the completion of this course, the student should be able to:

1. Discuss the general principle of pharmacology and prescription writing.
2. Discuss drug legislation.
3. Explain the role of the Dental Hygienist with respect to knowledge of medication in patient health history.
4. Analyze the drug's mechanism in the body.
5. Explain the steps in pharmacokinetics and clinical pharmacokinetics.
6. List various routes of drug administration.
7. Discuss the drug's adverse reactions.
8. Categorize drugs used in dentistry and their pharmacological effect on the human body.
9. Identify the autonomic nervous system.
10. Explain the local anesthetic mechanism of action.
11. Propose the appropriate local anesthetic choice according to the patient's health history.
12. Distinguish the drugs that alter dental treatment with respect to local and general anesthetics.
13. Discuss the relationship and effects of drugs used by special populations.
14. Identify Natural/Herbal and Dietary supplements.
15. Determine Natural/Herbal and Dietary supplement considerations for dental treatment.
16. Follow the recommended guideline for the use of pharmacologic drugs in the management of selected oral conditions.

SPECIFIC OBJECTIVES BY CHAPTER & TOPIC:

Upon completion of each instructional unit, the student should be able to:

1. Chapter 1; "Information, Sources, Regulatory Agencies, Drug Legislation, and Prescription Writing":
 - a. Discuss the history of pharmacology and its relationship to the dental hygienist.
 - b. Discuss where detailed information on medications can be found.
 - c. Distinguish drug name and drug substitution.
 - d. Summarize drug regulation and legislation.
 - e. Follow the format for prescription writing.

2. Chapter 2; "Drug Action and Handling":
 - a. Differentiate dose, potency, and efficacy in the context of the actions of drugs.
 - b. Discuss pharmacokinetics.
 - d. Choose factors that may alter the effect of a drug.
 - g. Categorize various routes of drug administration.
 - e. Avoid drug dosage errors by understanding the drug potency.

3. Chapter 3; "Adverse Reactions":
 - a. Define an adverse drug reaction.
 - b. Evaluate the risk-to-benefit ratio of the use of a drug for therapeutic effect and its potential adverse reactions.
 - c. Explain how the toxic effects of drugs are evaluated.
 - d. Specify the importance of recognizing adverse drug effects.
 - e. Support patients' health care management by educating them regarding potential adverse drug effects.

4. Chapter 4; "Autonomic Drugs":
 - a. Identify the major functions of the autonomic nervous system.
 - b. Discuss the pharmacologic effects, adverse reactions, contraindications of cholinergic agents.
 - c. Report the pharmacologic effects, adverse reactions, contraindications, and anticholinergic agents.
 - d. Distinguish between adrenergic blocking agents and neuromuscular blocking agents.
 - e. Offer preventive oral hygiene care to avoid the side effect associated with Cholinergic and Anticholinergic drugs.

5. Chapter 5; "Non-opioid (nonnarcotic) Analgesics":
 - a. Describe pain, its purpose, and its main components.
 - b. Name the analgesic agent's classification.
 - c. Summarize Aspirin pharmacologic effects, adverse reactions, drug interactions, uses, and dosing.
 - d. Compile the properties, pharmacologic effects, adverse reactions, drug interactions, uses, and dosing of acetaminophen.
 - e. Suggest whether there are risks or contraindications for use of Non-opioid Analgesics.

6. Chapter 6; "Opioid (Narcotic) Analgesics and Antagonists":
 - a. Explain the classification, mechanism of action, pharmacokinetics, and adverse reactions of opioids.
 - b. Describe the pharmacologic effects of opioids.
 - c. Determine potential adverse reactions of opioids.
 - d. Summarize the mechanism of action and adverse reactions of tramadol.
 - e. Avoid the contraindication of drugs by learning the opioids used in dentistry.

7. Chapter 7; "Anti-infective Agents":
 - a. Summarize the principal indications for the use of antimicrobial agents in dentistry.
 - b. Discuss considerations about the use of penicillin, macrolides, tetracyclines, and cephalosporins.
 - c. Categorize different topical antibiotics in dentistry.

- d. Summarize the concept and practice of antibiotic prophylaxis in dentistry.
- e. Follow recommendations in dental settings related to treating a patient with tuberculosis.

8. Chapter 8; “Antifungal and Antiviral Agents”:

- a. Identify antifungal agents.
- b. Explain the indications of using antifungal agents in dentistry.
- c. Analyze the use of antiviral agents in the treatment of herpes simplex.
- d. Distinguish the various drugs used to treat acquired immunodeficiency syndrome and chronic Hepatitis.
- e. Recommend proper application of antifungal agents.

9. Chapter 9; “Local Anesthetics”:

- a. Explain the reasons for the use of local anesthetics in dentistry.
- b. Summarize the mechanism of action, pharmacokinetics, and pharmacologic effects of Local anesthetic.
- c. Distinguish the adverse reactions of local anesthetics.
- d. Categorize topical anesthetics used in dentistry based on use, types, and doses of.
- e. Follow the recommendations involved in the choice of a local anesthetic.

10. Chapter 10; “General Anesthetics”:

- a. Describe how general anesthesia works.
- b. Compare and contrast the classifications of general anesthesia.
- c. Justify the use of nitrous oxide in dentistry.
- d. Classify various types of halogenated hydrocarbons.
- e. Indicates a commitment to the safe use of nitrous oxide in dental settings.

11. Chapter 11; “Anxiety Agents”:

- a. Discuss the value of patient relaxation in dentistry.
- b. Explain dental relevance of the benzodiazepines and barbiturates.
- c. Summarize the mechanism of action of the nonbenzodiazepine, nonbarbiturate sedative-hypnotics, and nonbenzodiazepine-nonbarbiturate receptor agonists.
- d. Summarize melatonin receptor agonist and its actions.
- e. Follow the recommendations on dental practitioners’ general precautions about antianxiety agents.

12. Chapter 22; “Pregnancy and Breastfeeding”:

- a. List the two main concerns in the administration of drugs during pregnancy.
- b. Define the Food and Drug Administration’s pregnancy categories for drugs.
- c. Justify how breastfeeding affects dental drug use.

- d. Determine contraindications of local anesthetic, anti-infective, and antianxiety agents for pregnant women.
- e. Suggest the appropriate consideration before giving common drugs used in dentistry to pregnant women.

13. Chapter 23; "Substance Abuse":

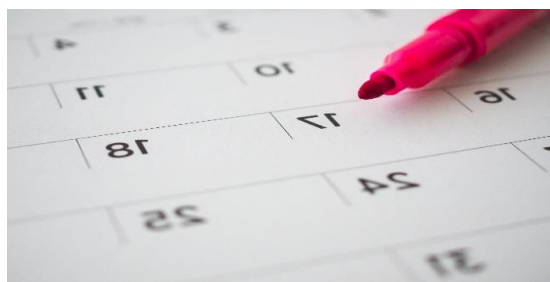
- a. Name several types of central nervous system depressants that are commonly abused.
- b. Identify several types of central nervous system stimulants that are commonly abused.
- c. Summarize psychedelic hallucinogens.
- d. Evaluate the symptoms produced using psychedelic hallucinogens.
- e. Follow the suggested dental treatment consideration of the patient who has drug or alcohol problems.

14. Chapter 24; "Natural/Herbal Products and Dietary Supplements":

- a. Discuss why people choose herbal products over traditional medicine.
- b. Discuss the federal legislation governing herbal and dietary products.
- c. Analyze the impact of herbal and nutritional products on oral health care.
- d. Correlate the drug interactions associated with herbal products. Discuss the standard.
- e. Suggest important considerations that need to be taken in dental treatment reviewing the medical history of several patients who use herbal products.

15. Chapter 25; "Oral Conditions and Their Treatment":


- a. Name treatment for common infectious lesions of the oral cavity.
- b. Describe immune reactions resulting in canker sores and lichen.
- c. Formulate treatment for several oral conditions that result from inflammation.
- d. Propose treatment options for xerostomia.
- e. Promote patient education in appropriate ways to avoid offending causes of some oral conditions.




SYLLABUS COURSE SCHEDULE:

This schedule is based on the Spring semester of 2023 for a 16-week long course. **The schedule is subject to change due to unforeseen events.**

SEMESTER WEEK NUMBER:	DAY/DATES/TIMES OF THE WEEK:	CHAPTERS, TOPICS:	Assigned readings need to be completed BEFORE the class. Video and class activities will take place during the lecture. Homework in this column must be submitted by their due dates. All due dates are by 9 pm EST
WEEK 1	Wed., 1-11-23 10:00 am-11am	Class introduction Discuss syllabus Chapter 1 "Information, Sources, Regulatory Agencies, Drug Legislation, and Prescription Writing" Teacher Lecture	READ: pages 2-10 Self-Assessment of Ways of Learning Homework #1 "Prescription writing" (DUE 1/13)
WEEK 2	Wed., 1-18-23 10 am – 11 am	Chapters 2 "Drug Action and Handling"- Teacher Lecture	READ : pages 11-23 Video : Drug Action ;sqadia.com Homework #2 "Drug Action" (DUE 1/20)
WEEK 3	Wed., 1-25-23 10 am– 11 am	Chapter 3 "Adverse Reactions" Teacher Lecture	READ: pages 24-29 In-class Partner Activity: Snowballs Homework #3 "Adverse Drug Reaction- Part I CE DentalCare.com" (DUE 1/27)

WEEK 4	Wed., 2-1-23 10 am – 11 am	Chapter 4 “Autonomic Drugs” Teacher Lecture	READ: pages 31-44 In-class Activity: Pass the Chalk Homework #4 “Autonomic Drugs” (DUE 2/3)
WEEK 5	Wed., 2-1-23 10 am – 11 am	QUIZ#1 Quiz chapters: 1-4 30 minutes Teacher Lecture Chapter: 5 “Non-opioid (nonnarcotic) Analgesics”- “Opioid	READ: Pages 45-50
WEEK 6	Wed., 2-8-23 10 am – 11 am	Chapters 5-6 “Non-opioid (nonnarcotic) Analgesics”- “Opioid (Narcotic) Analgesics and Antagonists” Teacher Lecture	READ: pages 50-67 In-class Activity: Circle the Questions
WEEK 7	Wed., 2-22-23 10m – 12 pm	Chapters 7-8 “Anti-infective Agents”- “Antifungal and antiviral Agents” Teacher Lecture	READ: pages 68-97 Homework #5 “Drug Classification” (DUE 2/25)
WEEK 8	Wed., 3-1-23 10 am – 11 am	Midterm Exam Chapters: 1-8	
WEEK 9 	Wed., 3-8-23	SPRING BREAK No assignments; No class	SPRING BREAK No assignments; No class

WEEK 10	Wed., 3-15-23 10 am – 11 pm	Chapters 9 “Local Anesthetics” Teacher Lecture	READ pages 98-111 In-class Activity: Pass the Chalk Homework#6 “Local Anesthetic Drugs” (DUE 3/17)
WEEK 11	Wed., 3-22-23 10 am – 11 pm	“General Anesthetics” Teacher Lecture	READ pages 112-118 In-class Activity: Gallery Walk Homework #7 “Case study 1” (DUE 3/25)
WEEK 12	Wed., 3-29-23 10 am – 11 am	Chapters 11-22 “Anxiety Agents”- “Pregnancy and Breastfeeding” Teacher Lecture	READ pages (119-127) -(244-251) In-class Activity: True or False?
WEEK 13	Wed., 4-5-23	Chapters 23 “Substance Abuse” Guest Speaker: Howard County Health Department Dr. KATABI	READ pages 252-264
			
WEEK 14	Wed., 4-12-23 10 am-11:00 am	QUIZ #2 Quiz Chapters: 11,22,23 30 min Lecture “Natural/Herbal Products and Dietary Supplements” Teacher Lecture	READ pages 265-269 Video: FDA website “Some Imported Dietary Supplements and Nonprescription Drug Products May Harm You.”
WEEK 15	Wed., 4-5-23 10 am – 11 pm	Chapters 25 “Oral Conditions and Their Treatment” Teacher Lecture	READ pages 271-281 In-class Activity: Gallery walk Homework #8 “Case study 2” (DUE 4/7)
WEEK 16	Wed., 4-26-23 2 pm – 4 pm	FINAL EXAM	All the chapters listed in the course schedule

SYLLABUS COURSE ACTIVITY SHEET:

WEEKS		Teacher Lecture	Video Media	Group Work	Partner Work	Individual Work	Guest Speaker	Student Oral Presentation	Quiz/Test/Exam
1		X				-Self-Assessment of Ways of Learning -Homework #1			
2		X	X			-Homework #2			
3		X			Snowballs	-Homework #3 Dentalcare.com CE			
4		X		Pass the Chalk		-Homework #4			
5		X							Quiz#1
6		X				-Circle the Questions			
7		X				-Homework #5			
8									Midterm Exam
9		Spring Break							
10		X		Pass the Chalk		-Homework #6			
11		X		Gallery Walk		-Homework# 7			
12		X		True or False					
13							X		
14		X	X						Quiz#2
15		X		Gallery walk		-Homework #8			
16									Final Exam
TOTAL:		12	2	5	1	10	1	0	4