

**PHARMACOLOGY
COURSE SYLLABUS
Dental Hygiene 2131
Fall 2020**

COURSE FACULTY	E-Mail	Office Location
Gina Gardner, RDH, BSDH, MEd	ggardner@taftcollege.edu	Dental Hygiene Bldg

OFFICE HOURS	5 Hours Per Week
By Appointment: M 10-12, W 9-12	Using ConferZoom or Email

COURSE DESCRIPTION
<p>This course emphasizes the classification and study of drugs according to origin, physical and chemical properties, therapeutic effect and values, particularly of drugs used in dentistry.</p> <p>Course Prerequisites: Successful completion of all first and second semester Dental Hygiene Program courses, and Chemistry 2108 & 2109, and Biology 2255 & 2256.</p> <p>This is a 2-unit course that meets online. You will be required a minimum of 2 hours per week for presentations and assignments. Expect to spend 6 hours per week studying, preparing, or completing work for this course. We will meet in person for proctored Unit exams and for the Final.</p>

REQUIRED TEXT BOOK AND READINGS
<p>Haveles, E. B. (2020). <i>Applied Pharmacology for the Dental Hygienist</i>, 8th edition. Mosby: St. Louis.</p> <p>Additional Readings/Viewings Available on Canvas:</p> <ul style="list-style-type: none"> • Dental Hygiene Program Handbook • Dental Hygiene Clinic Handbook • Individually assigned articles • Video presentations

COURSE OBJECTIVES
<p>By the end of the course, a successful student will be able to:</p> <ol style="list-style-type: none"> 1. State the therapeutic uses, mechanisms of action, pharmacokinetics, and major pharmacologic effects for each drug group. 2. Discuss important adverse reactions or side effects. 3. Recognize clinically significant interactions. 4. Determine the dental implications of each drug group. 5. Describe the use of antimicrobials used in dentistry and medicine. 6. Identify and describe medications for various systemic diseases. 7. Discuss the rational and recognize the need for antibiotic premedication in high-risk patients and describe the latest dosage requirements.

STUDENT LEARNING OUTCOMES (SLOs)
<ol style="list-style-type: none"> 1. Explain the principles of pharmacokinetics. 2. Discuss evidence based drug therapy.

METHODS OF INSTRUCTION
<p>The following are examples of the instructional methods that will be incorporated into the course to facilitate learning:</p> <ol style="list-style-type: none"> 1. Weekly discussions 2. Student Presentations 3. Collaborative learning tasks 4. Weekly activities 5. Assignments

EVALUATION AND GRADING – CHECK YOUR PROGRESS ON CANVAS GRADES
<p>QUIZZES* 15% of Total Grade</p> <p>Reading Quiz:</p> <p>Most weeks there will be a quiz over the reading. This keeps you accountable for the content in the textbook. It also makes sure that you don't fall behind in the material. That means that you will read the text and take the quiz before any presentations or assignments are given. This quiz is open book, open note. You may retake it as many times as you would like.</p> <p>*After you take the reading quiz, it will unlock the rest of the Module content.</p> <p>**This must be completed prior to class on Tuesday mornings by 10:10. Do not procrastinate this assignment.</p> <p>Post Module Quiz:</p> <p>Most weeks there will be a quiz at the end of each module over the content covered in the text and in the presentations. This quiz is closed notes/closed book. It will be proctored with Proctorio. On the weeks you have a Unit test, there will not be a chapter quiz, only a reading quiz.</p> <p>Points Possible:</p> <p>Quizzes will make up 15% of your total grade. Each quiz is worth 5-10 points.</p>
<p>DISCUSSIONS 10% Of Total Grade</p> <p>Discussions:</p> <p>You will have weekly discussions. You will post your original post by Wednesday at 11:59pm. Then complete the instructions for posting on two of your classmates posts before Saturday at 11:59pm. Each Discussion will be a little different. Pay attention to the weekly instructions carefully.</p> <p>Points Possible:</p> <p>Discussions make up 10% of your total grade. Each discussion post is worth 10 points.</p>
<p>ASSIGNMENTS 10% Of Total Grade</p> <p>Assignments:</p> <p>Each week you will have an assignment due that goes along with the topic we are studying in the chapter texts. Your instructions will be in the module for that week.</p> <p>Points Possible:</p> <p>Assignments make up 10% of your total grade. Each assignment will be between 10-20 points.</p>

ONE MINUTE KNOWLEDGE PAPERS

5% of Total Grade

Knowledge Papers

Knowledge papers will address concepts discussed in texts, presentations, or from readings assigned. Students will be given a question or topic to reflect on and then organize their thoughts to write concise responses to the questions.

Points Possible:

Knowledge papers are worth 5% of your total grade. Each Knowledge/Reflection Paper will be worth 5 points.

TOPIC PRESENTATIONS

10% of Total Grade

Oral Presentations

Presentations will be on a drug topic or specific drug. I will assign the topic for the presentation and randomly select the students who will be presenting no earlier than 1-2 weeks prior to presenting. You will be selected your week and your topic and it will be posted in the Announcements section. Keep your eye out for your week. You should present for 5 minutes. And no longer than 7 minutes.

What to Include in Presentation and Paper

Include in your presentation content about your given drug. Use information from your text and reputable research sites, journals, or articles. Please include a one-page paper with a summary of the information you used in your presentation to turn into me on the day of your presentation. List any resources you used. This should be in APA format with in-text citations and a reference page. If you need help formatting your paper use the [TC Library APA Resource Guide \(Links to an external site.\)](#).

Assigning a Topic

When you are chosen and have received your topic, you will present to us:

- What is it?
- How does it work in the body?
- Mechanism of Action?
- ADME Indications for use?
- Contraindications for use?
- Side Effects?
- Adverse Reactions?
- What are the Dental Hygiene Considerations?
- Do you need to think about scheduling?
- Any oral signs or symptoms to be concerned about or discuss with your patient?
- Dental contraindications?
- Health History alerts?

Be creative in your presentation. (Maybe your drug has a commercial? Maybe you make your own? Maybe make a poster? A PowerPoint?)

Points Possible

Oral Presentations will be worth 10% of your total grade. This is worth 50 points. See [Rubric](#) for grading information.

UNIT TESTS**25% of Total Grade**

Unit Tests

There will be three Unit Tests given, each with 50 questions. The questions will be multiple choice, T/F, and multiple response. You MUST bring a ScanTron and a pencil.

- Test 1 - Chapters 1-4 **September 22nd on-campus (G-10) at 12:00pm.**
- Test 2 - Chapters 5-11 **October 27th on-campus (G-10) at 12:00pm.**
- Test 3 - Chapters 12-17 **November 24th on-campus (G-10) at 12:00pm.**

Points Possible

Unit tests will be 25% of your total grade. Each unit test is 50 points.

FINAL EXAM**25% of Total Grade**

Final Exam

The final exam has 150 questions and is accumulative. The questions come from presentations, course assignments, textbook readings, and discussions. The questions will be multiple choice, T/F, and multiple response, and case studies.

Points Possible

The final exam is 25% of your total grade. The exam is worth 150 points.

GRADE SCALE**SEE TOTAL PERCENTAGES**

92-100%	A
84-91%	B
75-83%	C

Below 75% is considered a failing grade for this course. Failure to successfully complete this course could result in dismissal from the Dental Hygiene Program. Therefore, students who find themselves with a course grade below 75% are encouraged to take immediate steps to address this issue by connecting with

POLICIES AND PROCEDURES
PROFESSIONALISM
<p>Students in the Dental Hygiene Program are expected to exhibit professional conduct and behavior at all times which includes communication (verbal, non-verbal and written) with, and respect towards, administrative staff, faculty, peers and patients. If a student demonstrates unprofessional behavior during class or online discussions, the faculty member will discuss the concern with the student. If the behavior is repeated, the student will be asked to leave the discussion and given a zero for that session.</p> <p>Another aspect of professionalism is being accountable for understanding one's standing in the course at all times. Grades are inputted into the grade book on the course Canvas site for students to access 24/7. It is the students' responsibility to know their grades. Students are expected to contact the course faculty if they are not passing the course or would like to have additional assistance with understanding of a concept.</p> <p>In order to facilitate effective communication between students and the course faculty member, students are expected to check their email accounts regularly. As a way to demonstrate professional behavior, students are expected to respond to emails and/or acknowledge receipt of emails upon completion of reading the email. The course faculty member will respond to student emails within 24 hours of receipt of the email between the hours of 8:00 a.m. and 5:00 p.m. Monday through Thursday, and 8:00 a.m. and 1:00 p.m. on Friday due to teaching responsibilities. Weekend correspondence will be limited to urgent matters and the course faculty may not respond to an email received after 1:00 p.m. on Friday until the following Monday morning.</p> <p>It is important to recognize the difference between texting friends and family members and sending an email as a dental professional.</p>
LAPTOPS AND MOBILE DEVICES
<p>Students are required to have a laptop or mobile device that will connect to the Internet. This course will be taught online and students will be expected to be able to connect to Canvas for instruction and quizzes.</p> <p>Students who do not have access to a laptop or mobile device are expected to connect with the faculty member to request assistance. Taft College may be able to help by allowing the student to check out a laptop. This should be done before the first week of class is finished.</p>
ACCOMMODATIONS
<p>If you have a disability that may require classroom or test accommodations, please contact DSP&S for verification. Then inform the course instructor of your approved accommodations (you must have a current semester Accommodation Card). The DSP&S department is located in the Student Services/Admin building and can be reached at 661.763.7799. If you think you have a learning disability but are not sure, DSP&S may also be able to assist you. All information will be kept confidential.</p>

ATTENDANCE

This course meets ONLINE on Tuesdays from 10:10-12:00p.m. via ConferZoom.
You will come to campus for the unit exams to be proctored on these dates.

- Test 1 - Chapters 1-4 **September 22nd on-campus (G-10) at 12:00am.**
- Test 2 - Chapters 5-11 **October 27th on-campus (G-10) at 12:00am.**
- Test 3 - Chapters 12-17 **November 24th on-campus (G-10) at 12:00am.**

All students enrolled in a distance learning course must log in to the course and complete any assignment or activity required during the first week. Students who fail to complete first-week assignments/activities within the instructor's deadline may be dropped. It remains the case that, "Students are responsible for officially withdrawing from any class or classes in which they no longer wish to be enrolled." (Taft College Catalog – Attendance Requirements). Non-attendance/non-participation DOES NOT release the student from this responsibility.

Attendance to all online class sessions and weekly activities is mandatory. Failure to adhere to this expectation will result in being marked absent for the week. Participation is part of your attendance. The course faculty does not distinguish between "excused" and "unexcused" absences.

If students have a planned (known ahead of time) or unplanned (sickness or emergency) absence, they are expected to contact Ms. Gardner through email (ggardner@taftcollege.edu) or 661.763.7752, or Alex Omega at 661.763.7706 as soon as they are aware they will be absent. Planned absences should be communicated prior to the day of the absence. Unplanned absences should be communicated as soon as possible. Students are to communicate absences directly to Ms. Gardner; sending notifications through classmates is appreciated but does not replace the need for direct communication with Ms. Gardner.

Quizzes and the final examination will not be administered prior to the assigned date. If a student has a planned absence for either a quiz or the final exam, it is highly encouraged that he/she reschedules the reason for the planned absence if at all possible. In this course, the consequences for nonparticipation impacts the final course grade as follows:

COURSE GRADED COMPONENTS	CONSEQUENCES FOR ABSENCES
Attendance at class sessions	<p>Students absent for more than 2 lecture sessions will receive a final course grade deduction of one grade.</p> <p><i>Example:</i> A student earns a "B" in the course but has 3 absences; the student will receive a "C" in the course.</p> <p>Students absent for more than 3 lecture sessions will receive a final course grade deduction of 2 grades.</p> <p><i>Example:</i> A student earns a "B" in the course but has 4 absences; the student will receive a "D" in the course.</p>
One minute knowledge papers	Students will receive a "0" for any missed one minute knowledge paper due to being absent the day of the assignment. There are no make-up one minute knowledge paper assignments in this course.
Quizzes	Students will receive a "0" for any missed quizzes. No make-up quizzes will be allowed for students absent on the day of a quiz.
Topic preps	Students will receive a "0" for any topic review not submitted on time due to being absent the day the topic prep is due.
Final exam	Students will be required to make up a missed final exam however the highest score they can receive on the exam is 90%.

ACADEMIC MISCONDUCT

Students are expected to maintain high standards of professionalism in their coursework and protect the integrity of their work at all times during the course.

Academic integrity ensures that all students have a fair and equal opportunity to succeed. Any behavior that provides an unfair advantage to one student is unacceptable and will not be tolerated. Each piece of work completed by a student must be solely a reflection of that student's own work or his or her contribution to a collaborative effort.

Academic integrity includes a commitment to not engage in or tolerate acts of falsification, misrepresentation or deception. Such acts of dishonesty include, but are not limited to, cheating or copying, plagiarizing, submitting another persons' work as one's own, using sources without citation, having another student take your exam, tampering with the academic work of other students, facilitating acts of academic dishonesty by others, giving an attendance access code to a classmate, etc.

All instances of academic dishonesty will be reported to the Vice President of Student Services for disciplinary action. Sanctions for breaches in academic integrity may range, depending on the severity of the offense, from a grade of "0" on an assignment, project, or test, to an "F" in the course. Severe cases and/or repeat offenses of academic dishonesty may also result in more severe disciplinary sanctions up to and including suspension or expulsion.

As a Taft College student, you are expected to be honest and ethical at all times in your pursuit of your academic goals and adhere to the *Standards of Student Conduct*, [Policy 5500](#). Further information on your student rights and responsibilities are published in the [Student Handbook](#) available online.

For additional information on academic misconduct, refer to the Taft College Student Handbook.


Students are encouraged to talk with the course faculty if they have any doubt about actions that might result in charges of academic misconduct against them. If the course faculty witnesses suspicious behavior(s), which are in alignment with academic misconduct, she will discuss this with the student to alert him/her of the incident and discuss ways to eliminate the suspicious behavior.

COPYRIGHT

Course materials, including presentations and handouts, provided in this course are the intellectual property of the faculty member and are intended for use as part of your dental education. These materials may not be used for any other purposes without written consent from the faculty member. Video and/or audio recording of course activities are prohibited without the written consent from the faculty member.

COURSE SCHEDULE & ASSIGNMENTS ++				
WK	DATE	TOPIC(S) OF THE COURSE SESSION	ASSIGNMENTS / QUIZZES	COURSE PREPARATION
1	AUG. 24th	Ch.1 Information, Sources, Regulatory Agencies, Drug Legislation, Prescription Writing	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz	Haveles, Ch. 1
2	AUG. 30th	Ch. 2 Drug Action and Handling	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz	Haveles, Ch. 2
3	SEPT.6th	Ch.3 Adverse Reactions	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #1 on Autonomic Drugs	Haveles, Ch. 3
4	SEPT. 13th	Ch. 4 Autonomic Drugs	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #2 on Nonopioid/Opioid	Haveles, Ch. 4
5	SEPT. 20th	Ch 5 Nonopioid Analgesics	*Unit Test Ch.1-4 Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz	Haveles, Ch. 5
6	SEPT. 27th	Ch. 6 Opioid Analgesics & Antagonists	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #3 on Antiinfective	Haveles, Ch. 6
7	OCT. 4th	Ch. 7 Anti-infective Agents	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #4 on Antifungal/Antiviral	Haveles, Ch. 7

8	OCT. 11th	Ch. 8 Antifungal & Antiviral Agents	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #5 on Antianxiety	Haveles, Ch. 8
9	OCT. 18th	Ch. 11 Antianxiety Agents	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #6 on Cardiology Drugs	Haveles, Ch. 11
10	OCT. 25th	Ch. 12 Drugs for the Treatment of Cardiology Disease	*Unit Test Ch. 5-11 Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz	Haveles, Ch. 12
11	NOV. 1st	Ch. 13 & 14 Drugs for the Treatment of Gastrointestinal & Seizure Disorders	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #7 on GI/Seizures	Haveles, Ch. 13 & 14
12	NOV. 8th	Ch. 15 Central Nervous System Disorders	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #8 on Central Nervous System Disorder	Haveles, Ch. 15
13	NOV. 15th	Ch. 16 & 17 Adrenocorticosteroids Drugs for the Treatment of Respiratory Disorders and Allergic Rhinitis	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #9 on Respiratory Disorders	Haveles, Ch. 16 & 17
14	NOV. 22nd	Ch. 18 Diabetes Mellitus	*Unit Test Ch.12-17 Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz	Haveles, Ch. 18

15	NOV. 29th	Ch. 19 & 20 Drugs for the Treatment of Endocrine Disorders Antineoplastic Drugs	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #10 on Diabetes Mellitus	Haveles, Ch. 19 & 20
16	DEC. 6th	Ch. 21, 22, & 23 Emergency Drugs Pregnancy Drug Abuse	Pre-Reading Quiz Discussion Assignment Knowledge Paper Post Quiz Topic Pres #11 on Pregnancy/Thyroid	Haveles, Ch. 21, 22, & 23
17	DEC. 13th			

++Please note, the course instructor reserves the right to modify and/or adjust the course schedule to meet student's needs. Updated course schedules will be uploaded onto the Canvas site.

**Taft College
Dental Hygiene Program**

**DNTL 2131 SYLLABUS
STUDENT AGREEMENT**

I, _____ have read, and understand, the information given in the DNTL 2131 syllabus. Additionally, I understand the consequences of not adhering to the processes and procedures that are outlined in the course syllabus and have been given the opportunity to ask questions.

Signature _____

Date _____