



**HITT-2330-001IN**  
**Pharmacology/Pathophysiology**  
**Spring 2022**  
**16-week course-Internet**

**Instructor Information:** Tammy Lopez, MIS, RHIA, [tlopez3@com.edu](mailto:tlopez3@com.edu), (832) 403-6058 (text only)

**Student hours and location:**

**Required Textbook/Materials:**

**Essentials of Pharmacology for Health Professionals, (8th ed.) by Colbert and Woodrow; ISBN: 13: 978-1-337-39589-2**

**Human Diseases, (5th ed.) by Neighbors and Tannehill-Jones; ISBN: 978-1-337-3967-9-0**

**Course Description:** Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. Along with an overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems.

**Course Pre and Co-requisites: Pre-requisites; HITT - 1305 Medical Terminology and BIOL – 2401 Anatomy and Physiology. Co-requisites; HITT – 1341 Coding and Classification and BIOL – 2402 Anatomy and Physiology.**

**Course requirements:**

**Required Skills**

Students enrolled in this course should possess the following technology skills:

- The ability to use latest stable releases of Google Chrome, Mozilla Firefox, or Safari 10.X web browsers.
- The ability to access information via the Internet
- The ability to use Blackboard and associated tools, including discussion boards, chat rooms, online testing, and assignment submission features
- The ability to use Respondus LockDown Browser and Respondus Monitor (see section, “Using LockDown Browser and a Webcam for Online Exams” for more details)
- The ability to use any necessary publisher content (examples: Cengage, MindTap)

- The ability to use word processing software, and to save in alternate formats
- The ability to send, receive and include attachments using email
- The ability to demonstrate netiquette (appropriate online conduct)

### **Software and Hardware**

Minimum recommended computer and internet configurations for online courses can be found here.

- Internet connection (DSL, LAN, or cable connection desirable)
- An up-to-date operating system from Microsoft or Apple - PC platforms should run Windows 7 or newer; Mac platforms should run OS 10.8 or newer (Chromebooks, tablets, and mobile devices are not compatible with all online course components)
- Access to Blackboard
- Latest stable release of JAVA
- 256 MB RAM
- 20 MB free disk space
- Any other tools, resources, and materials needed by the student for the course.

The following software is required to view course content and to participate in planned course activities.

If you do not have this software currently loaded on your computer or are unsure, you can download the software by clicking on the following links:

Respondus LockDown Browser and Monitor:

<https://download.respondus.com/lockdown/download.php?id=138331997>

*(Note: Respondus Lockdown Browser and Monitor will not be available in College of the Mainland computer labs.)*

### **Participation in Class Discussion**

Class participation is an important part of the learning process in this course. You will be evaluated on the quality of your contributions and insights in the Case Studies as well as the Research Paper presentations. Quality comments possess one or more of the following properties:

- Offers a unique, but relevant, perspective.
- Contributes to moving the discussion and analysis forward.
- Builds on other comments.
- Avoid the “I feel” or “I like” syndrome. Include some evidence, argumentation, or recognition of inherent tradeoffs. Your comments should demonstrate critical thinking.

**Assignments (10% of final grade):** Each module in the course will have a required assignment for you to submit. See [How to Upload Assignments in Blackboard](#) if this is your first time to upload assignments.

These will be submitted weekly in the Learning Modules.

**Discussions/ Case Studies (5% of final grade):** Case Studies and topics about Diseases and Medications will be discussed in this forum.

**Exams (15% each):** There will be Four (4) exams that are over specific modules that will be completed with Respondus Lockdown Browser.

**Mid-Term (25% of final grade)**

Mid-Term will be over specific modules and will include information discussed during specified weeks. This will be completed in Respondus Lockdown Browser.

**Final Exam (25% of final grade)**

Final Exam will be over all modules and will include information discussed with both books used in the course. This will be completed in Respondus Lockdown Browser.

**Participation (10% of final grade)**

Students are expected to participate in Case Studies which will be found in weekly Learning Modules. The responses will be submitted in Discussion threads.

**Determination of Course Grade/Detailed Grading Formula:**

**Research Paper:**

Students are to write a research paper ( minimum of 1500 words) on a disease of the body system or organ which should include the mechanism of the disease: how the disease is diagnosed-the etiology, signs and/or symptoms, name of diagnosis, how it is treated, what type(s) of medications may be prescribed (list 3 medication options), what type of physician will treat the patient with the disease and prevention of the disease.

- This paper will be submitted to instructor in Email.
- The power point presentation will be posted to a Discussion Thread for all students to review and comment on for 5-point grade.

*Research paper will be presented in power point format as well as a written report which will all be emailed to the instructor. \* The research paper is to be in APA format\**

***The paper will be graded using the following formula:***

Analyze and interpret primary and secondary sources	- 20 points
Effective use of critical thinking	- 25 points
Effective use of communication skills (Written)	- 25 points
Effective use of communication skills (Visual)	- 25 points
Discussion Board-(You will be required to comment on 2 Students as well as receive feedback)	- 5 points

**Total** 100 points

**Grading Scale (Policy):**

*Grades are to be viewed in Blackboard on my Grades*

**Late Work, Make-Up, and Extra-Credit Policy:**

**Attendance Policy:** Student attendance in online courses is defined as active participation in the course. Online courses will, at a minimum, have weekly mechanisms for student participation no more frequently than daily, which can be documented by any or all the following methods:

- Contributing to an online discussion or text chat session
- Submitting an assignment or working draft
- Working through exercises; taking a quiz or exam
- Viewing and/or completing a tutorial
- Initiating contact with a faculty member to ask a course-related question
- Another course participation. These academic activities are tracked and documented through the College's learning management system, email system, and publisher websites. Course tracking can be used to assess the amount of “attendance” in an online course. Any student who fails to attend the orientation session or complete a scheduled assignment during the first week of class will be reported as absent.

Logging into an online course or website is not sufficient, by itself, to determine attendance by the student. For example, if a student simply logs into an online course on September 15 and logs out, without any further activity, the student did not attend the online class on that day.

Students are required to log in to each online course by the fourth day during the week in which the course officially begins, or the day enrolled during late registration to complete the initial introductory activities required in the course.

The student is solely responsible for checking updates related to the course. As a component of attendance students should check email, course announcements and discussion forums frequently (daily is recommended).

Note: nonattendance may affect financial aid. If a student fails to meet the attendance requirements, he or she may be recommended for withdrawal from the course. In the case of an anticipated absence, such as military deployment, the student should contact the instructor in advance and plan to complete the required assignments. In case of an emergency (illness/accident or death in family), a student should contact the instructor as soon as possible providing documentation supporting the need for any late submission of a graded event.

**Tardiness Policy:** Tardiness is recorded and leaving class early can be noted in the attendance record as an absence. Absenteeism, tardiness, and leaving class early can affect your final grade in a course. If a student has more than three absences, his/her final grade could be lowered one letter grade for each additional absence beyond the third absence.

**Make-Up Policy:**

Computer assignments may be submitted after the due date and receive a grade; **however, grades for these assignments submitted after the due date and time will receive a maximum grade of 75%.**

**Communicating with your instructor:** ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1.		
2.		
3.		
4.		
5.		

**Academic Dishonesty:** Any incident of academic policy will be dealt with in accordance with college policy and the Student Handbook (pg. 19). Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a **grade of zero** on that exam and the student will be referred to the Office of Student Conduct for the appropriate discipline action. <https://www.com.edu/student-services/student-handbook>.

**Student Concerns:** If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Kay Frieze at 409-933-8414.

**Course outline:** (include calendar with lecture topics, due dates)

COURSE OUTLINE			
Week	Topics/Module	Assigned Reading	Assignments
1	<p>Welcome, Review of Syllabus, &amp; Course Expectations, Syllabus Scavenger Hunt</p> <p><i>Chapter to cover during this Module:</i></p> <p><b>Human Diseases:</b> Chapter 1: Introduction to Human Diseases</p>	<p><b>Human Diseases:</b> Chapter 1</p>	<p>Syllabus Scavenger Hunt Icebreaker Questions to be answered in Discussion Board</p> <p>Due Date: January 23,2021</p> <p><i>Syllabus Scavenger Hunt is to be emailed Icebreaker Questions are to be posted to Discussion Board</i></p>
2	<p><i>Chapters to cover during this Module:</i></p> <p><b>Human Diseases:</b> Chapter 2- Mechanism of Disease Chapter 3-Neoplasms Pharmacology: Chapter 2- Drug Names and References</p>	<p><b>Human Diseases:</b> Chapter 2 Chapter 3</p> <p><b>Pharmacology:</b> Chapter 2</p>	<p>Review Questions <b>Human Diseases:</b> Chapters 1, 2 &amp;3</p> <p><b>Pharmacology:</b> Chapter 2</p>

3	<p>Chapters to cover during Module:</p> <p><b>Human Diseases:</b> Chapter 4: Inflammation and Infection Chapter 5: Immune System Diseases and Disorders</p> <p><b>Pharmacology:</b> Chapter 17: Anti-Infective Drugs</p>	<p><b>Human Diseases:</b> Chapter 4 Chapter 5</p> <p><b>Pharmacology:</b> Chapter 17</p>	<p><i>Review Questions</i></p> <p><b>Human Diseases:</b> Chapter 4 &amp; 5</p> <p>Due Date: February 8,2021</p> <p>Cast Study over Inflammation and Infection</p> <p><b>Pharmacology:</b> Chapter 17</p>
4	<p>Chapters to cover during Module:</p> <p><b>Human Diseases:</b> Chapter 6: Musculoskeletal System Diseases and Disorders Chapter 7: Blood-Forming Organs Diseases and Disorders</p> <p><b>Pharmacology:</b> Chapter 21: Musculoskeletal and Anti-Inflammatory Drugs</p>	<p><b>Human Diseases:</b> Chapter 6 Chapter 7</p> <p><b>Pharmacology:</b> Chapter 21</p> <p>Exam 1 to cover Chapters from WKS 1,2, and 3</p>	<p><i>Review Questions</i></p> <p><b>Human Diseases:</b> Chapter 6 &amp; 7</p> <p>Due Date: February 15,2021</p> <p>Case Study over Musculoskeletal System</p> <p><b>Pharmacology:</b> Chapter 21</p> <p>To be completed in Lockdown Browser</p>
5	<p>Chapters to cover during Module:</p> <p>Chapter 8: Cardiovascular System Diseases and Disorders Chapter 9: Respiratory System Diseases and Disorders</p> <p><b>Pharmacology:</b> Chapter 25: Cardiovascular Drugs Chapter 26: Respiratory System Drugs and Antihistamines</p>	<p><b>Human Diseases:</b> Chapter 8 Chapter 9</p> <p><b>Pharmacology:</b> Chapter 25 Chapter 26</p>	<p><i>Review Questions</i></p> <p><b>Human Diseases:</b> Chapter 8 &amp; 9</p> <p><b>Due Date: February 22,2021 Case Study about Cardiovascular Diseases</b></p> <p><b>Pharmacology:</b> Chapter 25 &amp; 26</p>
6	<p><i>Chapters to cover during Module:</i></p>	<p><b>Human Diseases:</b> Chapter 11 Chapter 12</p>	<p><i>Review Questions</i></p> <p><b>Human Diseases:</b> Chapter 11</p>

	Human Diseases: Chapter 11: Digestive System Diseases and Disorders Chapter 12: Liver, Gallbladder & Pancreatic Disease and Disorders  Pharmacology Chapter 16: Gastrointestinal Drugs	<b>Pharmacology:</b> Chapter 16	Chapter 12  <b>Due Date: March 1,2021</b> <b>Case Study about Digestive System Diseases</b>  <b>Pharmacology:</b> Chapter 16
7	<i>Chapters to cover during Module:</i> Human Diseases: Chapter 13: Urinary System Diseases and Disorders Chapter 14: Endocrine System Diseases and Disorders  Pharmacology: Chapter 15: Urinary System Drugs Chapter 23: Endocrine System Drugs	<b>Human Diseases:</b> Chapter 13 Chapter 14  <b>Pharmacology:</b> Chapter 15 Chapter 23  <b>Exam 2:</b> <b>Covers Weeks 4-6</b>	<i>Review Questions</i> <b>Human Diseases:</b> Chapter 13 & 14  <b>Due Date: March 8,2021</b> <b>Case Study on Endocrine System</b>  <b>Pharmacology:</b> Chapter 15 & 23  <b>To be completed in Lockdown Browser</b>
8	<b>Mid-Term</b> <b>Mid-Term Covers WKS 1-7</b>	<b>Mid-Term Covers WKS 1-7</b>	<b>To be completed in Lockdown Browser</b>
9	<b>Spring Break</b>	<b>Week 3/9-3/13</b>	<b>Spring Break</b>
10	<i>Chapters to cover during Module:</i>  Human Diseases: Chapters 15: Nervous System Diseases and Disorders Chapter 16: Eye and Ear Diseases and Disorders  Pharmacology Chapters 13: Nervous System Drugs Chapter 18 Eye Medications	<b>Human Diseases:</b> Chapter 15 Chapter 16  <b>Pharmacology:</b> Chapter 13 Chapter 18	<i>Review Questions</i>  <b>Human Diseases:</b> Chapter 15 & 16  <b>Due Date: March 29,2021 Case Study about Eye and Ear Infections seen in the Older Population</b>  <b>Pharmacology:</b> Chapter 13 & 18
11	<i>Chapters to cover during Module:</i> Human Diseases: Chapter 17: Reproductive	<b>Human Diseases:</b> Chapter 17 <b>Pharmacology:</b>	<i>Review Questions</i>  <b>Human Diseases:</b>

	System Diseases and Disorders Pharmacology: Chapter 24: Reproductive System Drugs	Chapter 24	Chapter 17  <b>Due Date: April 5,2021 Case Study and Video to be watched on Reproductive System diseases</b>  <b>Pharmacology:</b> Chapter 24
12	<i>Chapters to cover during Module:</i>  Human Diseases: Chapter 18: Integumentary System Diseases and Disorders Chapter 19: Genetic and Developmental Diseases and Disorders  Pharmacology: Chapter 12: Skin Medications	<b>Human Diseases:</b> Chapter 18 Chapter 19  <b>Pharmacology:</b> Chapter 12  <b>Exam 3: Covers WKS 10-11</b>	<i>Review Questions</i>  <b>Human Diseases:</b> Chapter 18 & 19  <b>Due Date: April 12 ,2021 Case Study on Integumentary System</b>  <b>Pharmacology:</b> Chapter 12  <b>To be completed in Lockdown Browser</b>
13	<i>Chapters to cover during Module:</i> Human Diseases: Chapter 20: Childhood Diseases and Disorders Chapter 21: Mental Health Diseases and Disorders  Pharmacology 20: Psychotropic Medications, Alcohol and Drug Abuse	<b>Human Diseases:</b> Chapter 20 Chapter 21  <b>Pharmacology:</b> Chapter 20	<i>Review Questions</i>  <b>Human Diseases:</b> Chapter 20 & 21  <b>Due Date: April 19,2021 Case Study on Mental Illness seen in Children</b>  <b>Pharmacology:</b> Chapter 20
14	<b>Exam 4</b>	<b>Covers Weeks 10- 13</b>	<b>To be completed in Lockdown Browser</b>
15	<b>Research Paper Presentations</b>	To be paper to be emailed to Instructor and Power Point to be	<b>Research Paper Presentations</b>



		submitted in Discussion Board.	
16	<b>Final Exam Review</b>		
17	<b>Final Exam</b>	<b>Final Exam to Cover Wks. 1-13</b>	<b>To be completed in Respondus Lockdown Browser</b>

---

## Institutional Policies and Guidelines

**Grade Appeal Process:** Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. <[https://build.com.edu/uploads/sitecontent/files/student-services/Student\\_Handbook\\_2019-2020v5.pdf](https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf). *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor’s professional judgment of the quality of the student’s work and performance is also not an admissible basis for a grade appeal.* [https://build.com.edu/uploads/sitecontent/files/student-services/Student\\_Handbook\\_2019-2020v5.pdf](https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf)

**Academic Success & Support Services:** College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

**ADA Statement:** Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or [hbankston@com.edu](mailto:hbankston@com.edu). The Office of Services for Students with Disabilities is located in the Student Success Center.

**Counseling Statement:** Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or [hbankston@com.edu](mailto:hbankston@com.edu). Counseling services are available on campus in the student center for free and students can also email [counseling@com.edu](mailto:counseling@com.edu) to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

**Textbook Purchasing Statement:** A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Withdrawal Policy:** Students may withdraw from this course for any reason prior to the last eligible day for a “W” grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1<sup>st</sup> 8-week session is October 6. The last date to

withdraw from the 16-week session is November 19. The last date to withdraw for the 2<sup>nd</sup> 8-week session is December 2.

**F<sub>N</sub> Grading:** The F<sub>N</sub> grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F<sub>N</sub> grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F<sub>N</sub> grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F<sub>N</sub> grade.

**Early Alert Program:** The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

**COVID-19 Statement:** All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at [www.com.edu/coronavirus](http://www.com.edu/coronavirus). In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit [com.edu/coronavirus](http://com.edu/coronavirus) for future updates.

### **Online Etiquette (Netiquette)**

Discussion, chat, and e-mail spaces within this course are for class purposes only, unless otherwise stated. Please remember to conduct yourself collegially and professionally. What you say in the online environment is documented and not easily erased or forgotten.

The following guidelines apply:

- Avoid using ALL CAPS, sarcasm, and language that could come across as strong or offensive.
- Use proper punctuation and grammar and be sure to edit your contribution before posting.
- Read all posts before contributing your own to avoid unnecessarily repeating information.
- Keep chat comments brief and to the point.
- Focus on one topic at a time when chatting or posting to discussions.
- Remember that what you say in discussions and chats is documented and available to be revisited. Choose your words and discussion topics carefully.
- E-mail should only be used for messages pertaining to the course. Please refrain from sending forwards, jokes, etc.

### **Technology Outage**

Students are responsible for maintaining their hardware, software, and Internet connection to the course. If you are incapable of maintaining your own system, please use the computers available on campus or take the CL section of the course. (NB, Access to college computers is limited by

the hours of operation for the computer labs and library. You are responsible for staying abreast of these times.) No additional time will be provided for hardware, software, or Internet connection problems that interfere with your ability to access the course and complete your assignments and assessments. If a verifiable interruption in the access to the Course Management System that lasts for fifteen minutes or longer and occurs within twenty-four hours of an assignment or assessment, the deadline for the assignment or assessment may be extended at the discretion of your instructor.

### **Using LockDown Browser and a Webcam for Online Exams**

This course requires the use of LockDown Browser and a webcam for online exams. Respondus Lockdown Browser and Monitor will not be made available on College of the Mainland computers. The webcam can be built into your computer or can plug in with a USB cable. Watch this [short video](#) to get a basic understanding of LockDown Browser and the webcam feature. A student [Quick Start Guide](#) is also available.

Then download and install LockDown Browser from this link:

<https://download.respondus.com/lockdown/download.php?id=138331997>

To ensure LockDown Browser and the webcam are set up properly, do the following:

- Start LockDown Browser, log into Blackboard, and select this course.
- Locate and select the **Help Center** button on the LockDown Browser toolbar.
- Run the **Webcam Check** and, if necessary, resolve any issues.
- Run the **System & Network Check**. If a problem is indicated, see if a solution is provided in the Knowledge Base. Troubleshooting information can also be emailed to our institution's help desk.
- Exit the Help Center and locate the practice quiz named **[NOTE TO INSTRUCTOR: CREATE A BRIEF PRACTICE QUIZ AND INSERT NAME/LOCATION OF QUIZ]**.
- Upon completing and submitting the practice quiz, exit LockDown Browser.

When taking an online exam that requires LockDown Browser and a webcam, remember the following guidelines:

- Ensure you are in a location where you will not be interrupted
- Turn off all other devices (e.g., tablets, phones, second computers) and place them outside of your reach
- Clear your desk of all external materials not permitted — books, papers, other devices
- Before starting the test, know how much time is available for it, and that you have allotted sufficient time to complete it
- Remain at your computer for the duration of the test
- If the computer or networking environment is different than what was used previously with the **Webcam Check** and **System & Network Check** in LockDown Browser, run the checks again prior to starting the test
- To produce a good webcam video, do the following:
  - o Avoid wearing baseball caps or hats with brims
  - o Ensure your computer or tablet is on a firm surface (a desk or table). Do NOT have the computer on your lap, a bed or other surface where the device (or you) is likely to move
  - o If using a built-in webcam, avoid tilting the screen after the webcam setup is complete

o Take the exam in a well-lit room and avoid backlighting, such as sitting with your back to a window

- Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted