



HITT-2330-001IN
Pharmacology/Pathophysiology
Spring 2024
16-week course-Internet

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

Student hours and location:

Required Textbook/Materials:

Essentials of Pharmacology for Health Professions, (9th ed.) by Colbert, James and Katrancha; ISBN: 13: 978-0-357-61830-1

Human Diseases, (6th ed.) by Neighbors and Tannehill-Jones; ISBN: 978-0-357-61804-2

Course Description: Study of the Pathology and Physiology of diseases and injuries across the life span. Topics include Description, Etiology, Symptoms, Diagnosis, Treatment and Prevention. You will also learn about diagnostic tests, trauma and rare diseases, the physical and psychological reactions to diseases and injuries. A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages.

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

Notice to Students Regarding Licensing

Effective September 1, 2017, HB 1508 amends the Texas Occupations Code Section 53 that requires education providers to notify potential or enrolled students that a criminal history may make them ineligible for an occupational license upon program completion. The following website provides links to information about the licensing process and requirements (www.ahima.org). Should you wish to request a review of the impact of criminal history on your potential (RHIT) prior to or during your quest for a degree, you can visit this link and request a “criminal history evaluation”: (www.ahima.org)

This information is being provided to all persons who apply or enroll in the program, with notice of the requirements as described above regardless of whether the person has been convicted of a criminal offense. Additionally, HB 1508 authorizes licensing agencies to require reimbursements when a student fails to receive the required notice.

Determination of Course Grade/Detailed Grading Formula:

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 Brightspace](#) if this is your first-time uploading assignments.

These assignments 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.

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 solid evidence, argumentation, or recognition of inherent tradeoffs. Your comments should demonstrate critical thinking.

Exams (15% of final grade): There will be Four (4) exams that are over specific modules that will be completed with Brightspace.

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 Brightspace.

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 Brightspace.

Participation (5% 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.

Research Paper (15% of final grade)

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.

- The paper will be submitted to Instructor in email.
- The power point presentation will be emailed to the instructor as well as posted to a Discussion Thread for all students to review and comment on for a 5-point grade. {student must post to two student's presentation as well as receive two comments on your presentation}

Research papers will be presented in power point format as well as a written report which will 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 need to comment on two Students as well as receive feedback from two students) - 5 points

Total 100 points

RESEARCH PAPER & POWER POINT EVALUATION RUBIC

CONTENT	SCORE	COMMENTS
The presentation meets the information requirements to analyze and interpret primary and secondary sources.	20/100	
Effective use of critical thinking. Information is presented in logical sequence/structure.	20/100	
Effective use of communication skills (Written) Be cautious of how much text is on a slide. Each slide should contain a limited number of talking points as opposed to complete paragraphs or lengthy sentences. The entire power point presentation- all slides included should tell a story about the mechanism of the disease.	15/100	
Presentation is free of spelling and grammatical errors.	10/100	
Written paper- Minimum 1500 words	10/100	

DESIGN		
Effective use of communication skills (Visual)		
Slides display elements of effective design. Fonts, colors, backgrounds etc. are effective, consistent, and appropriate to the topic and audience.	20/100	
Text is clear and easy for the audience to see.		
Animations and/or sounds have been used to emphasize important points. They do not distract from the content.		
Presentation placed on Discussion Board	5/100	You will be required to comment on two of your classmates' presentations. Comments must be thought out and give solid explanation of paper.
TOTAL POINTS	100	

Scoring Comments:

1. Poor or many requirements not met
2. Fair or some requirements met
3. Good, meets most or all expectations
4. Outstanding, exceeds expectations

Grading Scale (Policy):

Grades will be in Brightspace on my Grades.

Grading Formula:

Your semester grade will be comprised of the following components and graded per the following grading scale: Furthermore, **to pass this class, you must obtain 75 (C) or better.**

Assignments	10%
Discussions/Case Studies	5%
Exams (4)	15%
Mid-Term	25%
Final	25%
Participation	5%
Research Paper	15%

Grading Scale:

90-100	A
80-89	B
75-79	C
74 - 70	D
69 - below	F

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

Make-Up Policy:

Computer assignments can 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%.**

Attendance Policy: Students are expected to log into Brightspace at least three (3) times a week.

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 Brightspace or other LMS)

Student Learner Outcomes

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1. Identify specific common human diseases, disorders, and their medical and surgical therapies.	Critical Thinking	Exams

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 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 Carriere at 409-933-8414.

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

COURSE OUTLINE			
Week	Topics/Covered/Reading Assigned	Assignments	Lab Assignment & Due Dates
1	<p>Welcome, Review of Syllabus, & Course Expectations, Syllabus Scavenger Hunt</p> <p><i>Chapter to cover during this Module:</i></p> <p>Human Diseases: Chapter 1: Introduction to Human Diseases</p>	<p>Human Diseases: Chapter 1</p> <p>Pharmacology: Syllabus Scavenger Hunt Icebreaker Questions are to be submitted in the Discussion Board</p> <p>Syllabus Scavenger Hunt is to be emailed to instructor. Icebreaker Questions are to be posted to Discussion Board</p>	<p>Due date: January 22,2024</p>
2	<p><i>Chapters to cover during this Module:</i></p> <p>Human Diseases: Mechanism of Disease</p> <p>Neoplasms</p> <p>Pharmacology: Drug Names and References</p> <p>Sources and Bodily Effects of Drugs</p> <p>Antineoplastic Drugs</p>	<p>Review Questions</p> <p>Human Diseases: Chapter 2 Chapter 3</p> <p>Pharmacology: Chapter 2,3, 26</p>	<p>Due Date: January 29,2024</p>

3	<p><i>Chapters to cover during Module:</i> Human Diseases:</p> <p>Digestive System Diseases and Disorders</p> <p>Endocrine System Diseases and Disorders</p> <p>Pharmacology: Gastrointestinal Drugs</p> <p>Endocrine System Drugs</p>	<p>Review Questions Human Diseases: Chapter 11 Chapter 14</p> <p>Pharmacology: Chapter 16, 23</p>	<p>Due Date: February 5,2024</p> <p>Case Study about Digestive System Diseases</p> <p>Case Study on Endocrine System</p>
4	<p><i>Chapters to cover during Module:</i> <i>Human Diseases:</i></p> <p>Human Diseases: Inflammation and Infection</p> <p>Immune System Diseases and Disorders</p> <p>Blood and Blood-Forming Organs Diseases and Disorders</p> <p>Pharmacology: Anti-Infective Drugs</p>	<p>Review Questions Human Diseases: Chapter 4,5 & 7</p> <p>Pharmacology: Chapter 25</p> <p>Exam 1 to cover Chapters from WKS 1,2, and 3.</p>	<p>Due Date: February 12,2024</p> <p>Case Study over Inflammation and Infection</p>
5	<p><i>Chapters to cover during Module:</i></p> <p>Human Diseases: Musculoskeletal System Diseases and Disorders</p> <p>Pharmacology: Musculoskeletal and Anti-Inflammatory Drugs</p>	<p>Review Questions Human Diseases: Chapter 6</p> <p>Pharmacology: Chapter 21</p>	<p>Due Date: February 19,2024</p> <p>Case Study over Musculoskeletal System</p>
6	<p><i>Chapters to cover during Module:</i></p> <p>Human Diseases: Nervous System Diseases and Disorders</p> <p>Mental Health Diseases and Disorders</p> <p>Pharmacology: Autonomic Nervous System Drugs</p> <p>Central Nervous System Drugs:</p>	<p>Review Questions Human Diseases: Chapter 15 & 21</p> <p>Pharmacology: Chapter 13, 19 & 20</p>	<p>Due Date: February 26,2024</p> <p>Case Study on Mental Illness seen in Children</p>

	Analgesics, Sedatives, and Hypnotics Psychotropic Medication, Alcohol, Drug Abuse and Withdrawal treatment		
7	Chapters to cover during Module: Human Diseases: Lymphatic System Diseases and Disorders Eye and Ear Diseases and Disorders Pharmacology: Ear and Eye Medications	Review Questions Human Diseases: Chapter 10 & 16 Pharmacology: Chapter 18 Exam 2: Covers Weeks 4-6	Due Date: March 4,2023 Case Study about Eye and Ear Infections seen in the Older Population
8	Mid-Term	Mid-Term Covers WKS 1-7	To be completed in Brightspace
	Spring Break	Week 3/11-3/17	Spring Break
9	Chapters to cover during Module: Human Disease: Reproductive System Diseases and Disorders Integumentary System Diseases and Disorders Pharmacology Reproductive System Drugs Integumentary System Medications	Review Questions Human Diseases: Chapter 17 & 18 Pharmacology: Chapter 24 & 12	Due Date: March 18,2024 Case Study and Video to be watched on Reproductive System diseases Case Study on Integumentary System
10	<i>Chapters to cover during Module:</i> Human Diseases: Cardiovascular System Diseases and Disorders Respiratory System Diseases and Disorders Pharmacology: Cardiovascular System Medications Respiratory System Drugs and Antihistamines	Review Questions Human Diseases: Chapter 8 & 9 Pharmacology: Chapter 14 & 17	Due Date: March 25,2024 Case Study about Cardiovascular Diseases

11	<p><i>Chapters to cover during Module:</i></p> <p>Human Diseases: Genetic and Developmental Diseases and Disorders</p> <p>Childhood Diseases and Disorders</p>	<p>Review Questions Human Diseases: Chapter 19 & 20</p> <p>Exam 3: Covers WKS 10-11</p>	<p>Due Date: April 1,2024</p>
12	<p><i>Chapters to cover during Module:</i></p> <p>Human Diseases: Liver, Gallbladder & Pancreatic Diseases and Disorders</p> <p>Urinary System Diseases and Disorders</p> <p>Pharmacology: Urinary System Drugs</p>	<p>Review Questions Human Diseases: Chapter 12 & 13</p> <p>Pharmacology: Chapter 15</p>	<p>Due Date: April 8, 2024</p>
13	<p><i>Chapters to cover during Module:</i></p> <p>Pharmacology: Age Related Medication Issues</p>	<p>Review Questions Pharmacology: Chapter 27</p> <p>Exam 4 Covers Weeks 10-12</p>	<p>Due Date: April 15,2024</p>
14	<p>Research Paper Presentations {Research paper and power point to be emailed to Instructor}</p>	<p>Power point to be posted in Discussion Board</p>	<p>Due Date: April 23,2024</p> <p>Research Paper Presentations</p>
15	<p>Final Exam Review</p>		<p>April 29- May 5,2024</p>
16	<p>Final Exam</p>	<p>Final Exam to Cover Wks. 1-13 To be completed in Brightspace</p>	<p>Due Date: May 6-May 10 (noon)</p>

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. *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

Academic Success & Support Services: College of the Mainland is committed to providing students with 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. The Office of Services for Students with Disabilities is 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. Counseling services are available on campus in the student center for free and students can also email 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 16-week session is April 22.

Failing (F) Grade: The F grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N 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_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N 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 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 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. 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 covering. 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 for future updates.

Success Tips for Students

Three Prior to Me:

The HIM faculty encourages students to problem-solve, work as a team as well as utilize available resources. To develop these skills, we will employ the **“Three Prior to Me” process**. This means that before you contact the instructor with a course-related question, you must have attempted to find the information in three other places. For instance, if you are unsure about the meaning of a term used in the course, you would attempt to locate this information in three places prior to asking the instructor. Hence, you might do a Google search for the term, ask a classmate, and refer to your textbook. Instructors **will** question you regarding what research methods you utilized to locate information on your own. This process is not meant to be a barrier to you, but instead to provide the following benefits:

- preparation for the workforce**
- increased research skills**
- instructors will have more time to provide feedback and interact with students**

If you have a question that **ONLY** the instructor would know the answer to (grade-related, assessments, etc.), then of course you would go to the instructor directly. This process will require practice and patience from the student as well as the instructor.

Professionalism: Success in one's career is as dependent on professional behavior as on one's academic knowledge and abilities. Therefore, students are expected to exhibit professional behavior online as well as all activities with this course. Professional behavior includes:

- **Attendance** – Students are expected to log into Brightspace at least three times a week
- **Dependable** – The student meets assignment deadlines and follows through to completion of responsibilities.

Effective interpersonal and team skills – The student relates well to people, shows respect to others, deals tactfully and effectively with others, influences as opposed to directs, provides constructive criticism without altering others, negotiates or mediates when appropriate, exhibits openness to new ideas, and demonstrates a positive attitude.

- **Effective communication skills** – The student listens, speaks using correct grammar and without excess fillers, e.g., um, you know, like.

- **Ethical conduct** – The student maintains honesty, integrity, and confidentiality of patient provider, fellow student, and college information.