



FALL 2021

## **NURS 5350 (all sections)**

### Advanced Pathophysiology

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#### **Phone calls from students to course faculty:**

- Text first and let me know who you are.
- Use phone or text for emergent issues (problems with exams).

#### **E-mail Messages from Students to Course Faculty:**

- Start the subject line of your e-mail with the course ID, followed by your name and a few words about the subject of the e-mail. For example, "N5350\_ J. Student\_ Requesting a private meeting". This is an important step and will ensure that your questions are responded to in a timely manner.
- Sign all e-mails with the first and last name that matches your CANVAS enrollment.

Please review below link for guidelines and recommendations for communication with faculty and peers: <https://www.uttyler.edu/nursing/files/policies/1.2-communication.pdf>

## Course Description

NURS 5350 focus is on pathological conditions encountered in clinical practice across the life span of clients. Emphasis is placed on regulatory and compensatory mechanisms as they relate to commonly occurring diseases. Course fee and extended computer access fee required.

**Prerequisite:** Foundation course. No prerequisites.

**Course Credit and Clock Hours:** 3 credit hours

## Course Learning Objectives

Upon successful completion of the course, the student will be able to:

1. Identify regulatory and compensatory mechanisms as they relate to commonly occurring diseases.
2. Integrate pathophysiologic concepts of disease in assessment of clients across the life span.
3. Apply pathophysiologic concepts of disease to the management of commonly occurring conditions across the life span.

## COURSE TOPICS

- Principles of Cellular Biology; Cancer
- Genetics; Stress Response
- Inflammatory Process
- Infection
- Innate Immunity: Inflammation; Adaptive Immunity
- Cardiovascular
- Lymphatic disorders
- Endocrine and Metabolic
- Respiratory
- Mental Health; Addictions; Pain; Temperature; Sleep; Sensory • Neurologic diseases.
- Musculoskeletal; Dermatology
- Gastrointestinal
- Renal and urinary tract
- Reproductive

## Grading Policy and Criteria

Specific guidelines and grading criteria for all assignments are in the Modules. Final grades for the course will be determined based upon the following point assignments:

- A - 90-100
- B - 80-89
- C - 70-79
- D - 60-69
- F Below 60

Grades will not be rounded when calculating the average (79.5 is not rounded to 80 and 89.5 is not rounded to 90). Students are expected to achieve an average of 80% (B) to successfully complete the course.

\*The average of your exams must be greater than or equal to 80 in order to pass the course. Even if you have enough points to pass otherwise, you will not pass the course without making an 80 average on the five exams (400 out of 500 exam points=80% average).

**Late policy:**

- All assignments are due by the time (CST/CDT) specified in the Course Calendar. Assignments must be posted via the assignment link within Canvas – NOT by email.
- Late PowerPoint presentations will receive a 10% penalty per day that the assignment is past due (including weekends). Discussion Board assignments will not be counted if submitted late. Exams must be taken at the scheduled time. Extenuating circumstances may apply.

Criteria for Evaluation:	Percentage of Grade:
Exam #1 Unit 1	15%*
Exam #2 Unit 2	15%*
Exam #3 Unit 3	15%*
Exam #4 Unit 4	15%*
Exam # 5 APEA COMPREHENSIVE FINAL	15%*
Quizzes-APEA QBANK	10%
PowerPoint Presentation	15%

**Exams 75% of course grade:**

There will be five (5) exams worth 75% of your total grade. Each exam is worth 15% of your total course grade. The exams will consist of multiple-choice questions. The exams will be timed. Dates for exams are listed on course calendar that can be found in the “Getting Started” Module. Exam dates/times are set. You will have 90 minutes to complete the exam. EXAMS 1-4 (unit specific) will consist of 50 multiple choice questions. EXAM 5 (APEA QBANK comprehensive final) will consist of 75 multiple choice questions.

You must use ProctorU Auto for your online testing proctor-Unit exams 1-4 and ProctorU Live for final APEA comprehensive exam. Sign up and/or login instructions/help can be found in Canvas under “Getting Started” Module. APEA QBANK Access is required for final comprehensive exam (see electronic subscriptions p. 6).

**QUIZZES: 10%** of overall grade

Each unit will have unit specific quizzes via APEA QBANK (due dates per course calendar APEA Categories:

- Cardiovascular
- Dermatology
- Endocrine
- Gastrointestinal
- Hematology
- Men/Women’s Health
- Neurology
- Orthopedics
- Psychiatry
- Respiratory
- Sexually Transmitted Infections
- Urology

Quizzes are unit specific and categories will be combined per each unit with a total of 9 quizzes throughout the semester). Multiple attempts may occur prior to due date. Grading will be based on timely submission and obtaining at least 80% on each quiz. Purchase of 3-month access to APEA QBANK is required (see electronic subscriptions p. 6).

**PowerPoint Presentation** with notes and references (see rubric): 15% of overall grade.

**PowerPoint Presentation:**

Each student will select one topic from the list provided in the **discussion board section** of Canvas. Each presentation has its own deadline, so in selecting your topic you are also selecting your presentation due date. Discussion Post thread for sign-up is available under the “getting started” module. Sign-up is available starting the first day of the course and closes per course calendar date. PowerPoint presentations should be in PowerPoint 95 or higher

format. All submitted written material (papers, assignments, examinations, etc.) are the property of the College of Nursing and will be maintained in an archived file. If your PowerPoint is submitted late, the highest score you can achieve is a 70.

**Power Point Grading Rubric**

Criteria	Points
<b>Topic Description:</b> etiology/cause, epidemiology or extent of the problem/disease, progression/history of the problem/disease, prevalence of disease worldwide, existing prevention & therapeutic measures, current or future research relevant to the problem/disease.	55
Use of at least 5 scientific references Creatively display PowerPoint in a well-organized format.	20
Length not to exceed 25 slides which includes title and reference slides. <b>Notes</b> are to be included with each slide, except title and reference slide. APA format on all except the multiple-choice answers. Your PowerPoint should utilize graphics including but not limited to images, graphs, tables, etc.	10
Five multiple choice questions with four options of answers with rationale why one answer is correct.	15
Total Points	100

**Grade Distribution:**

You may check your grades at any time on the Canvas website. Feedback on assignments will be provided via the Canvas Website or email. You should not consider the grade you see accumulating on Canvas as your final grade until the official posting of grades has been completed.

**SCHEDULING:**

Students are expected to progress through the course according to the posted schedule.

**ZOOM SESSIONS OR COURSE CHATS**

Special topic or ZOOM sessions will be held throughout the course. These dates will be available throughout the semester and recorded if attendance is not possible.

## Required Textbooks/Materials

AUTHOR	TITLE	EDITION	PUBLISHER and/or ISBN
McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N.S.	Pathophysiology: The biologic basis for disease in adults and children	8th. Ed.	ISBN: 978-0-323-58347-3

### Recommended Text:

Some students who do not have a strong pathophysiology background have found the Hogan text very helpful to read first and then read the text.

Hogan, M. A., Bower, M., Hill, K., & Holm, K. S.	Pathophysiology: Reviews & rationales	4th Ed.	ISBN-978-0-13-451720-9.
McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S.	Pathophysiology: The biologic basis for disease in adults and children study guide	8 <sup>th</sup> Ed.	
American Psychological Association [APA]	Publication manual of the American Psychological Association	7 <sup>th</sup> Ed.	

### Electronic Subscriptions

**APEA QBANK** (required): Purchase of APEA QBANK is student responsibility and 3-month access is needed for the course(\$65). Purchase of APEA QBANK will need to occur between the dates of February 1<sup>st</sup>-5th in order for 3-month access to be available for the due dates of quizzes and final comprehensive exam. How to purchase subscription will be available in Canvas under “Getting started” module.

**Epocrates** (Recommended): You can buy a student subscription. This is a great reference for drugs, labs, and disease processes.

### REQUIRED COURSE TECHNOLOGY

Please see the Canvas Page that discusses each item, cost or component specifically. This can be found under the “getting started” module.

**ProctorU Auto/Live**– paid for by UT Tyler; see Canvas.

## Testing Procedures for Exams

***The exams in this online course will be proctored using ProctorUAuto for exams 1-4 and ProctorU Live for Exam 5. There is no additional cost for proctoring with auto; late fee may be student responsibility during final exam scheduling if not within 72 hours prior to exam. You will need to create a ProctorU account and install the ProctorUextension before attempting any exam. To create a ProctorU account, follow the ProctorU tool within Canvas.***

***Please make sure you are using the current version of Chrome or Firefox and download the ProctorU extension available at <http://bit.ly/proctoruchrome> or <https://www.proctoru.com/firefox>.***

*In order to use ProctorU, you will need the following:*

- *High-speed Internet connection*
- *Webcam (internal or external)*
- *Windows, Mac, or Chrome Operating System*
- *Up-to-date Chrome or Firefox browser and ProctorU extension installed*
- *Valid photo ID*
- *Quiet environment to take your exam*

*You can visit the Test Taker Resource Page for additional information at <https://bit.ly/ProctorMe>*

The content of this syllabus or web-based course is subject to change at the discretion of the faculty according to current learning needs. Therefore, it is wise to review assigned readings and assignments on DB at the beginning of each week for possible updates. Notify the faculty immediately if there are issues that would delay submission of assignments.

## TEACHING STRATEGIES

Content and illustrations are available on Canvas. Ongoing asynchronous discussions are held using the discussion board of the virtual classroom. Questions and information sharing among faculty and students are encouraged and there is a discussion area for questions that are not private in nature. Questions regarding grades or other private matters are better addressed in an individual communication, such as email. All questions from students to faculty will be answered in 24 hours except on weekends and holidays. Weekends questions will be answered by Monday at 8pm.

## COURSE FEEDBACK AND INSTRUCTOR PRESENCE

Since this course is offered 100% online, instructor presence will be in that format, as well. Instructors will participate in discussion boards, at least, weekly. Should a student desire contact with an instructor, please first post a question/comment directly to the Course Questions forum on discussion board. If the question is of a more sensitive nature, please feel free to email the instructor using the contact information located on page 2 of this document.

Course feedback will consist of discussion board comments, as well as personal emails to the students. Instructors will attempt to contact students with failing grades as early in the course as possible, in order to plan for intervention or assistance. If personal contact with an instructor/student is desired by either party, an appointment can be made for the student to come to campus to meet with faculty face-to-face, or a Zoom (online video conference) session may be set up. These conferences are easy to access, provide face-to-face interaction and have been shown to improve student performance.

## COURSE EVALUATION

UT Tyler asks you to complete a voluntary evaluation to help them make improvements and adjustments in their overall online learning forums. Also, an end of semester evaluation specifically for this course will be made available for you to complete in the last week of instruction. Your comments and recommendations will be considered seriously as the course is updated. Your input throughout the semester contributes to my commitment to improve continually the quality and relevance of this course.

### Important Course Dates:

Note: The complete course schedule is available in the Course Canvas site under "getting started" module.

**LABOR DAY:** September 6, 2021

**Census Date:** September 10, 2021

**Last Date to Withdraw:** November 2, 2021

<https://www.uttyler.edu/registrar/registration/withdrawals.php>

**THANKSGIVING BREAK:** November 22-27, 2021

**Final Exam Date:** Dates within Canvas course (See Course Calendar)

## Necessary Skills for taking an Online or Hybrid Course

As an online/hybrid student you will have a much different "classroom" experience than a traditional student. In order to ensure that you are fully prepared for the online portion of your instruction, following is a list of expectations and requirements:

Students in an online and/or hybrid program should be comfortable with and possess the following skill sets:

- Self-discipline
- Problem solving skills
- Critical thinking skills
- Enjoy communication in the written word

### Minimum Technology Skills

As part of your online experience, you can expect to utilize a variety of technology mediums as part of your curriculum:

- Navigate Canvas
- Ability to send and receive email
- Browsing for and uploading documents and computer files to your Canvas course
- Downloading and saving files to your computer
- Navigate the Internet using a Web browser such as [Mozilla Firefox](#), [Internet Explorer](#) or [Chrome](#).
- Posting to a discussion board and wiki
- Open PDF files
- Playing and viewing video and audio files

### Minimum Technology Requirements

- Access to a computer (PC or Mac), personal or on campus
- Internet access (high-speed preferred; Blackboard and the videos may be slow to load on satellite or dial up)

- Microsoft Office , or a Word and PowerPoint compatible program such as [Apple iWork](#) or [ApacheOpen Office](#) (free) to view handouts and presentations.

### **Plug-ins and Helper Applications**

UT Tyler online courses use Java, JavaScript, browser plug-ins, helper application and cookies. It is essential that you have these elements installed and enabled in your web browser for optimal viewing of the content and functions of your online course. Always ensure that you are using the most update version for the browser you choose to access the online learning content.

- **Adobe Reader** allows you to view, save, and print Portable Document Format (PDF) files. <http://get.adobe.com/reader/>
- **Java Runtime Environment (JRE)** allows you to use interactive tools on the web. <http://www.java.com/en/download/>
- **Adobe Flash Player** allows you to view content created with Flash such as interactive webapplications and animations. <http://get.adobe.com/flashplayer/>
- **QuickTime** allows users to play back audio and videofiles. <http://www.apple.com/quicktime/download/>
- **Windows Media Player** allows you to view, listen and download streaming video and audio. <http://windows.microsoft.com/en-US/windows/products/windows-mediaplayer>

### **Canvas Accessibility**

The Canvas platform contains no barriers for users with disabilities and is both usable and accessible by everyone, regardless of age, ability, or situation. For more information, please review their [Commitment to Accessibility](#).

### **Attendance and Make-up Policy**

Attendance / participation is expected. Make-up for exams and assignments missed is at the discretion of the instructor.

### **Netiquette Guide**

Please see [The University of Texas at Tyler's Netiquette Guide](#)

### **School of Nursing Policies and Additional Information**

[https://www.uttyler.edu/nursing/college/documents/son\\_student\\_guide.pdf](https://www.uttyler.edu/nursing/college/documents/son_student_guide.pdf)

### **University Policies and Additional Information (updated 05/2019)**

The following course policies may be found at the website listed below: absence for religious observance, absence for university-supported trips, services to students with disabilities, grade replacement, state- mandated course drop policy, and Social Security and privacy.

<http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf>

### **UT Tyler Honor Code**

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

### **Students Rights and Responsibilities**

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>



## **Campus Carry**

We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>

## **UT Tyler a Tobacco-Free University**

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support.

For more information on cessation programs please visit [www.uttyler.edu/tobacco-free](http://www.uttyler.edu/tobacco-free).

## **Grade Replacement/Forgiveness and Census Date Policies**

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar. Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract. The Census Date is the deadline for many forms and enrollment actions of which students need to be aware. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions or waivers through Financial Aid

## **State-Mandated Course Drop Policy**

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

## **Disability/Accessibility Services**

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University of Texas at Tyler offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including a non-visible diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment, you are encouraged to visit <https://hood.accessiblelearning.com/UTTyler> and fill out the New Student application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with Cynthia Lowery, Assistant Director of Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.uttyler.edu/disabilityservices>, the SAR office located in the University Center, # 3150 or call 903.566.7079.

## **Student Absence due to Religious Observance**

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

### **Student Absence for University-Sponsored Events and Activities** Revised 05/19

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

### **Social Security and FERPA Statement**

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

### **Emergency Exits and Evacuation**

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

### **Student Standards of Academic Conduct**

Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

i. "Cheating" includes, but is not limited to:

- copying from another student's test paper;
- using, during a test, materials not authorized by the person giving the test;
- failure to comply with instructions given by the person administering the test;
- possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed "crib notes". The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
- using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
- collaborating with or seeking aid from another student during a test or other assignment without authority;
- discussing the contents of an examination with another student who will take the examination;
- divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructor has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
- substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
- paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, home solution or computer program;
- falsifying research data, laboratory reports, and/or other academic work offered for credit;
- taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
- misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.

ii. "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.

iii. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on

scholastic dishonesty.

iv. All written work that is submitted will be subject to review by plagiarism software.

### **UT Tyler Resources for Students**

- UT Tyler Writing Center (903.565.5995), [writingcenter@uttyler.edu](mailto:writingcenter@uttyler.edu)
- UT Tyler Tutoring Center (903.565.5964), [tutoring@uttyler.edu](mailto:tutoring@uttyler.edu)
- The Mathematics Learning Center, RBN 4021, this is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- UT Tyler Counseling Center (903.566.7254)