

**THE UNIVERSITY OF TEXAS AT TYLER COLLEGE
OF NURSING AND HEALTH SCIENCES**

**NURS 5350
ADVANCED PATHOPHYSIOLOGY**

Course Syllabus

Course Faculty:

Mrs. Bethany Starks, RN, MSN, FNP-C

University of Texas at Tyler College of Nursing N5350 – Advanced Pathophysiology

FACULTY CONTACT INFORMATION

Name: Bethany Starks, RN, MSN, FNP-C

Office: Adjunct

Office hours: Monday-Friday, by appointment

Scheduled Zoom Office Hours on each Wednesday from 12 pm-3pm

Zoom Link:

Bethany Starks is inviting you to a scheduled Zoom meeting.

Phone: 903-253-7859

E-mail: bstarks@uttyler.edu

Emails are answered usually within one business day. Email is the preferred method of contact. Phone call and texts should be scheduled.

E-mail Messages from Students to Course Faculty:

1. 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.
2. Sign all e-mails with the first and last name that matches your CANVAS enrollment.

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.

Course Credit and Clock Hours: 3 credit hours

Placement in Curriculum: Foundation course. No prerequisites.

COURSE OUTCOMES

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

TEXTBOOK(S)

Required Text:

McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S. (2014). Pathophysiology: The biologic basis for disease in adults and children (7th ed.). Maryland Heights, MO: Mosby. ISBN

Recommended Text:

American Psychological Association [APA]. (2010). Publication manual of the American Psychological Association (6th ed.). Washington, D.C.: American Psychological Association.

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. (2008). Pathophysiology: Reviews & rationales (2nd ed.). Upper Saddle River, NJ: Pearson. ISBN: 978-0-13-1789732-2.

McCance, K. L., Huether, S. E., Brashers, V. L., & Rote, N. S. (2015). Pathophysiology: The biologic basis for disease in adults and children study guide (7th ed.). Maryland Heights, Mo: Mosby. ISBN:

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.

Electronic Subscriptions

Up to Date (Recommended): The school pays for students up to date (while we have grant money). If a student is having an issue they need to contact Jan Harp jharp@uttyler.edu or 903-566-7317 in the library for assistance.

Up to Date Instructions:

When you get to the links below it will automatically say UT Tyler and students can search. However, if any student wants to setup a mobile/tablet app they can create a username/password.

For UpToDate, the school pays for the account and the link to the program is: <https://ezproxy.uttyler.edu/login?url=http://www.uptodate.com/online>

or when on campus: www.uptodate.com/online.

UpToDate Subscription now includes a FREE mobile app! **Must** be connected to the UT Tyler network (via links above) to register for the app. Directions can be found in this document: [MobileAppRegistration.ppt](#) or by visiting this: [link](#).

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

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.

Grades and Grading

Evaluation/Grading Methods is as follows:

Course Grading Scale:

A = 90 to 100%

B = 80 to 89%

C = 70 to 79%

D = 60 to 69%

F = Below 60%

Final grades WILL NOT be rounded.

The final grade will be determined as follows:

Five Exams @ 15% each	75%
Discussion Board (contributions to 10 of the weekly threads)	10%
PowerPoint Presentation	15%

Total: 100%

Exams (75%) of course grade):

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- 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 both multiple choice and case study type questions. The exams will be timed.
- You must use Proctoru.com as your online testing proctor. You will sign up via Proctoru.com prior to the exam. See additional file related to specific instructions.

Discussion Board: 10% of overall grade

Allows students to:

- apply, execute, and implement knowledge by solving a more complex task
- analyze, determine how elements function together
- determine bias or underlying intent in material presented in research/presentations provided
- evaluate/assess therapeutic measures/suggested standards of care to newly proposed criteria or standards
- create, plan, or design materials to satisfy complex DB questions by generating something new (either their own opinion, or their opinion based on research they have found)

Discussion Board Questions:

The purpose of the discussion board is to encourage critical thinking in development of graduate level exam questions. You will have 10 discussion boards through the semester.

Requirements:

1. Develop 3 exam questions based on the course material covered during the current week. These can be matching, multiple choice, or true/false.
2. Provide evidence-based rationale for the correct answer. This should include a citation such as Up to Date or Epocrates, etc. This may be several sentences to 1 paragraph.
3. No peer response is required but it is to your advantage to read your peer's questions. You will see several of these questions on your exams.
4. This is beneficial because it requires critical thinking and research related to the rationale behind treatment and answer choices.
5. Any topical is acceptable as long as the topic is relevant to the current module's course material.
6. The discussion board will open on Sunday at the beginning of the course module and close the following Saturday at midnight.

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. 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
Topic Description: 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. Notes 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.

Academic Integrity:

Students are expected to assume full responsibility for the content and integrity of all academic work submitted as assignments and examinations.

Grade Replacement:

If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the 12th day of class. Failure to file an intent to use grade forgiveness will result in both the original and repeated grade being used to calculate your overall grade point average. A student will receive grade forgiveness (grade replacement) for only three (undergraduate student) or two (graduate student) course repeats during his/her career at UT Tyler.

Students with Disabilities:

If you have a disability, including a learning disability, for which you request disability support services/accommodation(s), please contact Ida MacDonald in the Disability Support Services office so that the appropriate arrangements may be made. In accordance with federal law, a student requesting disability support services/accommodation(s) must provide appropriate documentation of his/her disability to the Disability Support Services counselor. For more information, call or visit the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579)." Additional information may also be obtained at the following UT Tyler Web address: <http://www.uttyler.edu/disabilityservices>.

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, usually daily, but at the 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, text, or even call 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 make a 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 PROCEDURES**Scheduling:**

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

Examination Procedure:

Exams will be administered through Proctor U. Please see additional document for specific Proctor U instructions. Once the exam is available, you may schedule via Proctor U. You are not allowed any resources during the exam other than one blank piece of scratch paper. You will have 90 minutes to complete the exam. The exam will consist of 50 multiple choice questions.

Late Assignments:

Late powerpoint presentations will receive a 10% penalty per day that the assignment is past due. Discussion Board assignments will not be counted if submitted late. Exams must be taken at the scheduled time.

ZOOM SESSIONS OR COURSE CHATS

Special topic or ZOOM sessions will be held throughout the course. These dates will be available at the beginning of the course.

Accessing Library Resources

Students enrolled in this course have several options to access library resources. You may visit your home campus library or the [Robert R. Muntz Library](#) at the University of Texas at Tyler. Follow this link, and then complete the instructions at those sites for accessing information from a distant site.

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.

Technical Support:

There are two options to receive UT Tyler technical assistance:

- Phone: (903) 565-5555 or extension 5555 on campus
- Email: itsupport@patriots.uttyler.edu

When you call or email IT Support, be sure to include a complete description of your question or problem including:

- The title and number of the course
- The page in question
- If you get an error message, a description and message number
- What you were doing at the time you got the error message

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 [Apache Open 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 web applications and animations.
<http://get.adobe.com/flashplayer/>
- **QuickTime** allows users to play back audio and video files.
<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-media-player>

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](#).

Netiquette Guide

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

Immunization and Documentation Requirements

Beginning Fall 2017, all students must have all requirements completed in the Castlebranch system before they attend clinical. Failure to produce documentation of met requirements will result in a missed clinical day.

Repeating a Course

Students repeating a course may not use previously submitted assignments in the current course or previous courses nor utilize the same patients for an assignment. Submitting the same or slightly modified assignments from previous semesters is considered self-plagiarism and is subject to academic discipline, including failing the assignment or the course.

UT Tyler Judicial Affairs and Scholastic Dishonesty

UT Tyler Honor Code: I embrace honor and integrity. Therefore, I choose not to lie, cheat, or steal, nor to accept the actions of those who do.

It is the student's responsibility to abide by and be aware of The University of Texas at Tyler's academic dishonesty policies:

<http://www.uttyler.edu/judicialaffairs/scholasticdishonesty.php>

See <http://www.uttyler.edu/mopp/documents/8-student-conduct-discipline.pdf>

For Chapter 8 Student Conduct and Discipline

Campus Directory Quick Reference

Reference	Location	Phone #	Email
Academic Advising	UC 3440	903-565-5718	advising@uttyler.edu
Bookstore	UC	903-566-7070	bookstore@uttyler.edu
Campus Activities	UC 3400	903-565-5796	getconnected@uttyler.edu
Campus Computing/IT Support	BUS 101	903-565-5555	itsupport@patriots.uttyler.edu
Cashier's Office	ADM 125	903-566-7227	cashiers@uttyler.edu
Financial Aid	ADM 230	903-566-7180	enroll@uttyler.edu
Library	LIB	903-566-7342	library@uttyler.edu
Enrollment Services	ADM 230	903-566-7180	enroll@uttyler.edu
Student Accessibility	UC 3150	903-565-7079	cstaples@uttyler.edu
Student Business Services	ADM 125	903-566-7227	cashiers@uttyler.edu
Student Counseling Center	UC 3170	903-566-7254	mskinner@uttyler.edu
Writing Center	BUS 202	903-565-5995	utwritingcenter@gmail.com

Campus Quick Links

Department/Item **URL**

Academics	www.uttyler.edu/academics
Athletics	www.uttylerpatriots.com
Campus Map	www.uttyler.edu/maps
Career Services	www.uttyler.edu/careerservices
Costs and Financial Aid	www.uttyler.edu/costs
Course Catalog	www.uttyler.edu/catalog
HPC, Fitness Schedule, Rec Sports	www.uttyler.edu/hpc
IT Support, Patriot E-mail	www.ccs.uttyler.edu
Muntz Library	http://library.uttyler.edu
myUTTyler	http://my.uttyler.edu
Registrar's Office	www.uttyler.edu/registrar
Student Life & Leadership	www.uttyler.edu/sll
Student Services	www.uttyler.edu/studentservices
UT Tyler on Facebook	www.facebook.com/go2uttyler
UT Tyler on YouTube	www.youtube.com/go2uttyler

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.

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. (For Fall, the Census Date is Sept. 12.) 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 (Sept. 12th) 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

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

instructors 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](http://writingcenter.uttyler.edu) (903.565.5995), writingcenter@uttyler.edu
- •□ [UT Tyler Tutoring Center](http://tutoring.uttyler.edu) (903.565.5964), 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](http://counseling.uttyler.edu) (903.566.7254)