



Spring 2022

NURS 3303

Pathophysiology of Acute Care

Faculty:

**preferred method of contact*

Tyler Campus:

Instructor: Janice Miles, MSN, RN-BC
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Instructor: Linda Raymond, MSN, RN
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Semester Credit Hours: Three (3) hours didactic

During this 14-week course, concepts of health promotion, disease prevention, disease progression, and treatment are approached from a cellular and multi-system perspective. Influences of genetic, ethnic, and cultural variables on human diseases are included in content. Course content is structured to stimulate critical thinking.

Course Description:

This course focuses on the etiology, pathophysiology, and clinical presentation of selected human diseases across the life span.

Prerequisites:

Anatomy & Physiology I & II; Chemistry and Microbiology; College of Nursing advisor approval

Course Learning Objectives:

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

1. Integrate knowledge from the biological sciences into the study of the pathophysiology of human diseases.
2. Compare the pathologic origins of selected disease processes at the cellular and systemic levels.
3. Correlate the effects of internal and external environmental risk factors with disease development and progression.
4. Discuss the influence of genetic, ethnic, and cultural factors on health promotion and disease prevention, progression, and treatment.
5. Explain the effects of compensatory body mechanisms in response to major alterations in physiology.
6. Relate diagnostic test findings to both objective and subjective disease symptoms.
7. Employ select nursing and biomedical research studies in the application of pathophysiologic principles to nursing practice.
8. Discuss the impact of the current body of knowledge in pathophysiology on evidence-based nursing practice.

Methodology:

This is a hybrid course. All lectures are pre-recorded. Students can re-watch the lecture videos as desired. All exams are conducted face-to-face in one of the UT Tyler School of Nursing Computer Labs (specific locations will be shared via Canvas). Dates are as indicated in the catalog when you registered for the course and are also posted in the Canvas course schedule.

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

Final course grades less than 70 are not rounded up.

1. The simple ***average of the exam grades before weighted calculation is performed, must be 70% (C) or above*** to pass the course. Exam averages are not rounded up (example: 69.5 -69.9 is not rounded to 70). Once the student has achieved a simple exam average of 70% or higher, the final course grade will be determined based on the weighted calculation of exams and other required course work. Students who do not attain an exam grade average of 70% will not receive credit for other graded course work and the final grade will be based on the simple average of the course exams.
2. Completion of NURS 3303 is based on satisfactory attainment of meeting the course objectives and a passing exam average of at least 70.
3. Late policy: 5% will be deducted each day an assignment is past due unless prior arrangements have been made with your course faculty. Extenuating circumstances may apply.

Criteria for Evaluation:	Percentage of Final Grade:
5 EXAMS – 17% Each	85%
Weekly quizzes	10%
Davis Advantage Activities	5%

- 4. Quizzes:** On-line quizzes are taken in Canvas as indicated on the Course Schedule. *Each quiz* will be worth 100 points. Quizzes will open and close in accordance with the course schedule (see **course schedule**). Failure to complete the quiz within this time frame will result in a grade of 0 for the quiz. It is recommended that the student take the quizzes on campus or on a laptop to avoid technical difficulties. The UTT IT department recommends using Firefox or Chrome browsers for Canvas. Class notes and textbooks may be used for the weekly on-line quizzes. Quiz grades are calculated into the course final grade only after a simple average of 70% is attained on classroom exams.
- 5. Davis Advantage Interactive Assignments** - Weekly interactive learning activities are assigned for each module. The activities are located on the FA Davis Advantage website. Students **MUST** use the access code located inside the cover of the textbook or the access code purchased online from FA Davis to set up an account with FA Davis and to access the assignment content. Student access instructions for the website are posted in Canvas. See the course schedule for assignment due dates. Interactive activity grade is calculated as the percent of activity completion. Interactive activity assignment grades will be calculated into the course final grade only after a simple average of 70% is attained on the exams.

Examination and Examination Review Policy

- Exams will be taken on campus in the nursing computer lab unless otherwise directed by faculty. Attendance for exams is **mandatory**. If absence for an exam is necessary, the student is responsible for notifying the faculty **prior** to the exam with an acceptable reason.
- Students are not allowed entry into the computer lab after the exam has started unless prior notification and arrangements have been made with the faculty.
- Exams are computerized using ExamSoft or Canvas software. All exams are taken in the UTT School of Nursing Computer Lab located on each campus. Students should arrive in the computer lab 10 minutes before the exam.
- Hats/caps must be removed during an exam. All personal items such as cell phones, purses, books, backpacks, notebooks and briefcases and electronic watches should be left on the shelves at the front of the computer lab during testing. **Cell phones must be turned off.** Digital electronic watches **are not allowed.**
- Silence is enforced in the computer lab before and during testing. Students are not permitted to leave the room during the test without permission of faculty.
- Make-up exams will be scheduled at the discretion of the faculty. Makeup exams may be in a different format than the original exam. If a student does NOT show up for a makeup exam on the designated date and time, the student will receive a zero on the exam.

Failure to notify the course faculty of the need to take the exam on an alternate date prior to the time that the exam begins will result in a grade of 0 for that particular exam. Make up exams must be scheduled with faculty on the specific campus. Arrangements will be made on an individual basis for completion of exam requirements.

7. Students are allowed to review the correct response to exam items answered incorrectly immediately upon completion of the exam using ExamSoft. An individual exam review with faculty may be scheduled during office hours **within 10 school days** from the entry of grades. After this timeframe, exam review is no longer available. Students who score below 70 on an exam are encouraged to schedule an appointment with faculty and utilize UTT tutoring and nursing student mentor program.
8. Exam content will not be reviewed in class. Discussion of specific content covered on the exam may be reviewed with the class at the discretion of the faculty.
9. **Absolutely NO sharing, recording, writing or replication of an exam question is allowed using any format or method including social media. Sharing exam questions or answers is considered cheating. This includes submitting questions to test/study websites.**

Important Course Dates:

Note: The complete course schedule is available in the Course Canvas site.

Course Dates: January 10 – April 22, 2022

Census Date: January 21, 2022

Last Date to Withdraw: March 21, 2022 Link: <https://www.uttyler.edu/registrar/forms>

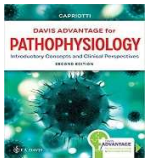
Final Exam Date: See schedule for each section – final week: April 18-22, 2022

Attendance and Make-up Policy

Attendance / participation is expected. Make-up for exams, quizzes, or assignments is at the discretion of the instructor.

Required Textbooks/Materials:

Students are **required to have the textbook or E-book version of the text the first week of class.** The textbook and the E-book version include the **access code for Davis Advantage. BOTH the text and access to Davis Advantage are REQUIRED for the course.**



Required Text: Capriotti, T. & Frizzell, J. P. (2020). *Pathophysiology: Introductory concepts and clinical perspectives* (2nd edition). Philadelphia, PA: F.A Davis Company. **ISBN 978-0-8036-9411-8.** Students may purchase either the printed textbook OR the digital version.

Davis Advantage Access Code – The access code to Davis Advantage web based interactive activities is included with the purchase of the textbook **OR** the digital electronic version (see FA Davis website to purchase the E-book version or UT Tyler bookstore **ISBN 978-1-7196-4009-1**). The access code for Davis Advantage is located inside the front cover of the printed textbook.

Textbook rentals: students renting or borrowing textbooks are required to purchase the digital Davis Advantage code.

Direct purchase from www.FA Davis:

Students can purchase textbooks and Davis Advantage direct from FA Davis using promo code 8D57E7XY

Instant access online at www.fadavis.com use promo code 8D57E7XY

Instant Access – Digital Text and Davis Advantage: ISBN-13: 978-1-7196-4008-4

Textbook with Davis Advantage code: ISBN-13: 978-0-8036-9411-8

Computer Requirements:

Students must have a reliable laptop or computer with internet access. Chrome or firefox browser is preferred for canvas. Chrome browser works best with Davis Advantage.

*** Cell phones cannot be used for completion of Davis Advantage assignments

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 content. Lecture videos are optimally viewed in high definition.

- Canvas – runs in Firefox or Chrome browser only
- **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/>
- **QuickTime** allows users to play back audio and video files.
<http://www.apple.com/quicktime/download/>

Course Schedule and Content Outline

Content Outline: Content to include, but not limited to the list below. It is to the discretion of course faculty member to choose the order of presentation and render changes as needed.

See canvas course for official course calendar with dates:

Course Content by Week

Week1	Cellular Biology, Cellular Changes, Infection, Inflammation
Week 2	Fluids and Electrolytes, Acid Base
Week 3	Genetic Disorders
Week 4	Immune and Abnormal Responses
Week 5	Neoplasms, Blood and Lymph Disorders
Week 6	Reproductive and Integumentary Disorders
Week 7	Cardiovascular Disorders
Week 8	Renal and Urinary Disorders
Week 9	Musculoskeletal Disorders
Week 10	Acute and Chronic Neurological Disorders
Week 11	Respiratory Disorders

Week 12	Endocrine Disorders
Week 13	Gastrointestinal and Accessory Organ Disorders

Expectations of Students in NURS 3303

1. An understanding of anatomy and physiology is presumed. If a student requires review of basic anatomy and physiology, independent reading is expected. Study guides will focus on terms, anatomy and physiology and pathophysiology of the system under study.
2. Students are expected to read the assigned text chapters and other printed materials.
3. Students are responsible for all course assignments and content, including announcements posted in Canvas.
4. Lecture outlines (PDF) files are posted in Canvas under each weekly module. The majority of the outlines will be available at the beginning of the semester.
5. All submitted written material (papers, assignments, examinations, etc.) are the property of the UTT School of Nursing. They are maintained in an archived file at the School of Nursing for 1 term after the course grade is assigned

Important Covid-19 Information for Classrooms and Laboratories

Students who are feeling ill should stay at home and notify their instructor. Students who are experiencing COVID [symptoms](#) or test positive for COVID should stay at home, notify their instructor, and [call the COVID hotline \(903.565.5999\)](#). Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Student Dress Code for the University of Texas, College of Nursing:

General: It is the philosophy of the School of Nursing that the student has a responsibility to be neatly groomed and modestly dressed. Appearances should promote good health, safety, and general well-being of the student. Clothing should avoid brevity and/or design that are offensive to the dignity and rights of others. School officials have the right and responsibility to counsel with the student or take any other corrective action.

Classroom-Appropriate Attire: Casual or everyday business wear is recommended. This includes but is not limited to the following: Slacks or skirt; sweater, blouse, and shirt. Jeans as well as conservative shorts (mid-thigh or longer) may be worn, but avoid overly frayed, revealing, or soiled. Shoes must be worn.

School of Nursing Policies and Additional Information

Link to UTT Nursing Policies:

https://www.uttyler.edu/nursing/college/student_guide_and_policies.php

University Policies and Additional Information (updated 5/2019)

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. Refer to this site for the most current policies and changes that may have been made.

<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, quit lines, 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 Spring 2022, the Census Date is January 21, 2022.) 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 (**January 21, 2022**) 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 Tyler at Texas offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including non-visible a 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 Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.utt Tyler.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. Students repeating this course may not use previously submitted assignments 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.
- 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.

Exam and homework materials, questions, and problems are the intellectual property of faculty, UT Tyler, or publishers.

- These materials may not be distributed without permission.
- Distributing them or uploading them to online resources destroys the integrity of the assignment and the course, allowing others an unfair advantage by letting them view the materials.
- Uploading these materials to online resources is a violation of UT Tyler’s academic misconduct policies and may result in formal conduct charges.
- Sanctions for uploading or otherwise divulging the contents of these materials can include:
 - a reduced or failing grade on an assignment
 - a reduced or failing grade for the course
 - removal from the Nursing program
 - removal from UT Tyler

UT Tyler Resources for Students

Faculty Office Hours: These are times when you can meet with your faculty to ask questions about the content, better understand the discipline, make career connections and more. Make use of office hours. Faculty list three hours a week (minimum) that they are available to you and also provide an appointment option if you have class or work during their office hours.

Writing Center: The Writing Center provides all undergraduate and graduate students a place to work on their writing projects and skills. There are tutoring options as well as workshops available

to support you in your academic writing. [UT Tyler Writing Center](#) (903.565.5995), writingcenter@uttyler.edu

[PASS Tutoring Center](#): The PASS Tutoring Center supports a variety of courses. Due to COVID-19, we are asking that you schedule an appointment for your face-to-face tutoring support. Tutoring is also available through Zoom tutoring sessions. Check the website to see the courses supported for the Fall 2020 term.

[UT Tyler Tutoring Center](#) (903.565.5964), tutoring@uttyler.edu

[Supplemental Instruction \(SI\)](#): SI is a series of weekly peer-assisted study sessions in courses identified by previous students as difficult. Due to COVID-19, SI sessions will be conducted face-to-face and via Zoom this fall. Check the website to see the support courses for the Fall 2020 term.

[Upswing \(24/7 Online Tutoring\)](#): Upswing is a free, confidential, and convenient way to receive help in nearly all of UT Tyler's undergraduate courses.

[Robert R. Muntz Library Staff](#): UT Tyler has an incredible staff of librarians ready to assist you. [Discipline/major library liaisons](#) are available to support you and you can also schedule appointments for research consultations. In addition, the Robert R. Muntz library's Head of University Archives and Special Collections can assist you with scholarly communications, primary sources, and archive materials. [UT Tyler Muntz Library](#) (903 566-7343), Library Liaison for Nursing, Suzanne Abbey (903.566.7165) email: sabbey@uttyler.edu

[Canvas 101](#): This Canvas course provides you with a wealth of information – including how to navigate in Canvas, tips for being a successful online and hybrid learner, how to use Zoom, and more!

[Digital Support Toolkits](#): Digital Support Toolkits are supplemental materials generated by faculty to help you be successful in targeted courses typically taken by our freshman and sophomore population. Students registered in Digital Support Toolkits supported courses will find these in their Canvas dashboard. You don't have to register – just take advantage of this great resource.

[UT Tyler Testing Center](#): The Testing Center provides securing testing opportunities to meet the needs of students and the community in an environment conducive to student and academic success.

[Student Accessibility and Resource \(SAR\) Office](#): The SAR Office works to provide students equal access to all educational, social, and co-curriculum programs through the coordination of services and reasonable accommodations, consultation, and advocacy.

[Student Counseling Center](#): The Student Counseling Center supports students in developing balance, resiliency, and overall well-being both academically and personally. They have in person and virtual counseling options. In addition, the Student Counseling Center offers [TAO](#), a self-help,

completely private online library of behavioral health resources. Sign in to the TAO website using your UT Tyler credentials.

[UT Tyler Counseling Center](#) (903.566.7254)