



NURS 3303
Pathophysiology of Acute Care
Fall 2022

Faculty:

**Preferred method of contact*

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Virtual Office Hours: TBD and By appointment

Semester Credit Hours: Three (3) hours of 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:

School of Nursing Advisor Approval

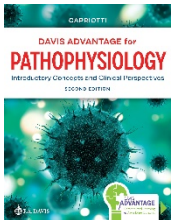
Student Learning Outcomes

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.

Required Textbook

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 an **access code for Davis Advantage**. **BOTH the textbook/e-book 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: This course requires you to use Davis Advantage to complete required activities. The access code to Davis Advantage web-based interactive activities is included with the purchase of the textbook **OR** the digital electronic version. See the FA Davis website to purchase the E-book version or the UT Tyler bookstore for **ISBN 978-1-7196-4009-1**. The access code for Davis Advantage is located inside the front cover of the printed 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 textbook (printed or instant access e-book) with Davis Advantage **ISBN-13: 978-0-8036-9411-8** direct from FA Davis www.fadavis.com
Use promo code **8D57E7XY** for discount

Special Course Notes:

Proctoring Notice: Each of the five major exams are administered using the live proctoring service through ProctorU. The student is responsible for signing up for a proctored exam time through ProctorU within the exam time window provided. This service is provided to the student free of charge, however, ProctorU charges additional fees when signing up for an exam time less than 72 hours prior to the exam. The student is responsible for any additional fees incurred due to waiting to 72 hours or less before the exam time to schedule.

Methodology

This is a fully online class with all lectures pre-recorded and available in Canvas. Exams will be administered online through a proctoring service.

Assignments and Percentage Values

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

Grading Scale

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

The simple average of all exam grades, including the Final Exam, must first be at or above 70% to pass the course. Exam averages are not rounded up (For example, a grade of 69.5-69.9 is not rounded up to 70). Students who do not attain a simple exam grade average of at least 70% will not receive credit for other graded course work, and the final course grade will be based on the simple average of the course exams only. Once the student has achieved a simple exam average of 70% or higher, course grades will be determined based on the weighted calculation of exams and other required course work.

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 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

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.

Repeating a Course: 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.

Attendance and Make-up Policy: Attendance/participation is expected. Make-up for exams, quizzes, assignments, and missed clinical time is at the instructor's discretion.

Graded Course Requirements Information:

Exams: A total of 5 exams will be given as indicated on the Course Schedule. Each exam will be worth 100 points. Failure to take an exam as scheduled will result in a grade of 0 for the exam. In the event of illness or emergency, the student should contact faculty. Make-up for a missed exam is at the instructor's discretion.

Quizzes: Online 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 online quizzes. Quiz grades will be calculated into the course final grade only after a simple average of 70% is attained on exams.

Davis Advantage Interactive Assignments: Weekly interactive learning activities are assigned for each module. The activities are accessed through Canvas assignments. See the course schedule for assignment due dates. The 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 exams.

Computer Requirements:

Students must have a reliable laptop or computer with internet access and a video camera. Chrome or Firefox browser is preferred for Canvas. Chrome browser works best with Davis Advantage.

* Cell phones cannot be used for the 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 – Firefox or Chrome browsers
- **Adobe Reader** allows you to view, save, and print Portable Document Format (PDF) files.
<http://get.adobe.com/reader/>
- **ProctorU** – Firefox or Chrome ProctorU extensions available from
<https://support.proctoru.com/hc/en-us/articles/360035672491-Which-Browsers-Are-Supported->

Examination and Examination Review Policy

1. 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.
2. Exams are computerized using Canvas software. All exams are taken using the online proctoring service ProctorU. A computer video camera is required for the proctored exams.
3. Sign up for a proctored exam time through ProctorU more than 72 hours prior to date of exam.
4. 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 off the desk and away from the testing area during testing. **Cell phones must be turned off**. Digital electronic watches **are not allowed**.
5. Silence is enforced during testing.
6. 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 exam due date** will result in a grade of 0 for that particular exam. Arrangements will be made on an individual basis for completion of exam requirements.

7. 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. 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.

Course Dates: August 29 – December 10, 2022

Census Date: September 9, 2022

Last Date to Withdraw: November 7, 2022 Link: <https://www.utt Tyler.edu/registrar/forms>

Final Exam Date: See schedule for each section – Final week: December 5-9, 2022

Course Schedule and Content Outline

*Quizzes will open on Mondays @ 0800 & close on Sundays @ 2359.

****Exams will be given online through Canvas using the online proctoring service ProctorU on specified dates. The window of time available to schedule the start time of the exam is from midnight till 9:00 pm. Students must schedule the actual exam time through ProctorU more than 72 hours in advance of the date of the exam.**

Week # & Start Date	Topics	Text Chapters	Davis Advantage Modules	Quizzes* & Exams**
Week 1 8/29	Course Orientation Cellular Biology & Adaptation Infection Inflammation and Healing	1, 2, 9, 10	Set up your Davis Advantage account Chapter Modules 2, 9, 10 (3 activities)	Quiz 1: Opens 8/29, Closes 9/4 Complete Student Forms Quiz
Week 2 9/5	Fluid and Electrolytes Acid Base	7, 8	Chapter Modules 7,8 (3 activities) Weeks 1-2 due Sun., 9/11 @ 11:59 pm	Quiz 2: Opens 9/5, Closes 9/11
Friday, 9/9/22: Census Date				
Week 3 9/12	Exam 1 Genetics (Posted on Canvas)	3	Chapter Module 3 (1 activity)	EXAM 1: Class Day/Time (Weeks 1 & 2 topics)
Week 4 9/19	Immune and Abnormal Responses	11	Chapter Module 11 (2 activities)	Quiz 3: Opens 9/19, Closes 9/25
Week 5 9/26	Cancer (Neoplasms) Blood and Lymph Disorders	40, 12, 13, 14	Chapter Modules 40,12,13,14 (4 activities) Weeks 3-5 due Sun., 10/2 @ 11:59 pm	Quiz 4: Opens 9/26, Closes 10/2
Week 6 10/3	Exam 2 Reproductive; Skin and Burns (Posted on Canvas)	26,27, 28,41,42	(No Davis Advantage this week)	EXAM 2: Class Day/Time (Weeks 3, 4, & 5 topics)
Week 7 10/10	Arterial Disorders, Ischemic Disorders, Heart Failure, Valve Disorders, Venous Disorders, Shock	15, 16, 17, 18, 19, 46, Pgs. 1151- 1159	Chapter Modules 15, 16, 17, 18, 46 (8 activities)	Quiz 5: Opens 10/10, Closes 10/16
Week 8 10/17	Renal & Urologic Disorders	22, 23	Chapter Modules 22, 23 (3 activities) Weeks 6-8 due Sun., 10/23 @ 11:59 pm	Quiz 6: Opens 10/17, Closes 10/23
Week 9 10/24	Exam 3 Musculoskeletal Disorders (Posted on Canvas)	37, 38, 39	Chapter Modules 37, 38, 39 (3 activities)	EXAM 3: Class Day/Time (Weeks 6, 7, & 8 topics)
Week 10 10/31	Acute Neurological Disorders	33,34,35, 6,Pgs 187-189	Chapter Modules 33, 34, 35 (3 activities)	Quiz 7: Opens 10/31, Closes 11/6

	Chronic Neuro Disorders, Pain	(Bact. Men.)		
Week 11 11/7	Respiratory Disorders	20, 21	Chapter Modules 20, 21 (3 activities) Weeks 9-11 due Sun., 11/13 @ 11:59 pm	Quiz 8: Opens 11/7, Closes 11/13
Monday, 11/7/22: Last day to withdraw from courses with a W or Q				
Week 12 11/14	Exam 4 Endocrine Disorders (Posted on Canvas)	24, 25	Chapter Modules 24, 25 (6 activities)	EXAM 4: Class Day/Time (Weeks 9, 10, & 11 topics) Quiz 9: Opens 11/14, Closes 11/27
Thanksgiving Break 11/21-25				
Week 13 11/28	Gastrointestinal & Accessory Organ Function	29, 30, 31, 32	Chapter Modules 29, 30, 31, 32 (4 activities) Weeks 12-13 due Sun, 11/27 @ 11:59 pm	Quiz 10: Opens 11/28, Closes 12/4
Finals Week	FINAL EXAM: Class Day/Time (Final Exam content: 25% Endocrine & GI; 75% comprehensive)			

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

School of Nursing Policies and Additional Information

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

ADDITIONAL STUDENT RESOURCES FOR UT TYLER STUDENTS

- [Canvas 101](#) (learn to use Canvas, proctoring, Unicheck, and other software)
- [Military and Veterans Success Center](#) (support for all of our military-affiliated students)
- [Office of International Programs](#)
- [Office of Research & Scholarship Design and Data Analysis Lab](#)
- [Patriots Engage](#) (available to all students. Get engaged at UT Tyler.)
- [Robert Muntz Library](#) and [Library Liaison](#)
- [TAO Online Support Center](#) (online self-help modules related to mental & emotional health)
- [The Career Success Center](#)

- [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.
- [Title IX Reporting](#)
- [UT Tyler Counseling Center](#) (903.566.7254)
- [UT Tyler Financial Aid and Scholarships](#)
- [UT Tyler Muntz Library](#) (903 566-7343), Library Liaison for Nursing, Suzanne Abbey (903.566.7165) email: sabbey@uttyler.edu
- [UT Tyler PASS Tutoring Center](#) (903.565.5964), tutoring@uttyler.edu
- [UT Tyler Patriot Food Pantry](#)
- [UT Tyler Registrar's Office](#)
- [UT Tyler Student Accessibility and Resource \(SAR\) Office](#) (provides needed accommodations to students with documented needs related to access and learning)
- [UT Tyler Supplemental Instruction](#)
- [UT Tyler Testing Center](#)
- [UT Tyler Writing Center](#) (903.565.5995), writingcenter@uttyler.edu
- [Upswing \(24/7 online tutoring\) - covers nearly all undergraduate course areas](#)

University Policies and Information

Withdrawing from Class

Students are allowed to [withdraw](#) (drop) this course through the University's withdrawal portal. Texas law prohibits students 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 other 2-year or 4-year Texas public colleges and universities. Make sure to consider the impact withdrawing from this class has on your academic progress as well as the financial implications. We encourage you to consult your advisor(s) and financial aid for additional guidance. CAUTION #1: Withdrawing before census day does not mean you get a full refund. Please see the [Tuition and Fee Refund Schedule](#). CAUTION #2: All international students must check with the [Office of International Programs](#) before withdrawing. All international students are required to enroll full-time for fall and spring terms.

Final Exam Policy

Final examinations are administered as scheduled. If unusual circumstances require that special arrangements be made for an individual student or class, the dean of the appropriate college, after consultation with the faculty member involved, may authorize an exception to the schedule. Faculty members are required to maintain student final examination papers for a minimum of three months following the examination date.

Incomplete Grade Policy

If a student, because of extenuating circumstances, is unable to complete all of the requirements for a course by the end of the semester, then the instructor may recommend an Incomplete (I) for the course. The "I" may be assigned in lieu of a grade only when all of the following conditions are met: (a) the student has been making satisfactory progress in the course; (b) the student is unable to complete all course work or final exam due to unusual circumstances that are beyond personal control and are acceptable to the instructor, and (c) the student presents these reasons prior to the time that the final grade roster is due. The semester credit hours for an Incomplete will not be used to calculate the grade point average for a student.

The student and the instructor must submit an Incomplete Form detailing the work required and the time by which the work must be completed to their respective department chair or college dean for approval. The time limit established must not exceed one year. Should the student fail to complete all of the work for the course within the time limit, then the instructor may assign zeros to the unfinished work, compute the course average for the student, and assign the appropriate grade. If a grade has not been assigned within one year, then the Incomplete will be changed to an F or NC if the course was originally taken under the CR/NC grading basis.

Grade Appeal Policy

UT Tyler's Grade Appeal policy requires the completion of a Grade Appeal form for this action to take place. The grade appeal begins with the instructor of your course. If you do not agree with the decision of the instructor, you may then move your appeal to the department chair/school director for that course. If you are still dissatisfied with the decision of the chair/director, you may move the appeal to the dean of the college offering that course, who has the final decision. Grade appeals must be initiated within sixty (60) days from the date of receiving the final course grade. The grade Appeal form is found on the [Registrar's Form Library](#).

Disability/Accessibility Services

The University of Texas at Tyler has a continuing commitment to providing reasonable accommodations for students with documented disabilities. Students with disabilities who may need accommodation(s) in order to fully participate in this class are urged to contact the Student Accessibility and Resources Office (SAR) as soon as possible to explore what arrangements need to be made to ensure access. If you have a disability, you are encouraged to visit the SAR Portal (<https://hood.accessiblelearning.com/UTTyler/>) and complete the New Student Application. For more information, please visit the [SAR webpage](#) or call 903.566.7079.

Military Affiliated Students

UT Tyler honors the service and sacrifices of our military-affiliated students. If you are a student who is a veteran, on active duty, in the reserves or National Guard, or a military spouse or dependent, please stay in contact with me if any aspect of your present or prior service or family situation makes it difficult for you to fulfill the requirements of a course or creates disruption in your academic progress. It is important to make me aware of any complications as far in advance as possible. I am willing to work with you and, if needed, put you in contact with university staff who are trained to assist you. Campus resources for military-affiliated students are in the [Military and Veterans Success Center \(MVSC\)](#). The MVSC can be reached at MVSC@uttyler.edu or via phone at 903.565.5972.

Academic Honesty and Academic Misconduct

The UT Tyler community comes together to pledge that "Honor and integrity will not allow me to lie, cheat, or steal, nor to accept the actions of those who do." Therefore, we enforce the [Student Conduct and Discipline policy](#) in the Student Manual Of Operating Procedures (Section 8).

FERPA

UT Tyler follows the Family Educational Rights and Privacy Act (FERPA) as noted in [University Policy 5.2.3](#). The course instructor will follow all requirements in protecting your confidential information.

COVID Guidance

The UT Tyler community of Patriots respects the rights of others to wear a mask if they desire to do so. COVID guidelines may change as the situation warrants, and students should follow the instructions warranted by the situation.

Absence for Official University Events or Activities

This course follows the practices related to approved absences as noted by the Student Manual of Operating Procedures ([Sec. 1 -501](#)).

Absence for Religious Holidays

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

Campus Carry

We respect the right and privacy of students 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.utt Tyler.edu/about/campus-carry/index.php>.