



**Advanced Pathophysiology  
NURS 5350 (all sections)  
Fall 2026**

**Scheduled Class Days and Times: Online**

**Instructor's Name:** Dr. Amy Huff, PhD, APRN, FNP, CNE, FAANP

**Office:** Virtual

**Email:** [ahuff@uttyler.edu](mailto:ahuff@uttyler.edu)\*

**Office Hours:** Virtual on Tuesdays, 8-9 pm, and by appointment.

\*Best way to contact me. Please put NURS 5350 in the subject line for the fastest response.

**Office hours will be Tuesdays, 8-9 pm.** We will use the following Zoom session for office hours.

Zoom Meeting

[Zoom Meeting link](#)

Meeting ID: 975 590 507

Passcode: patho

**Course Description:** This course will explore the regulatory and compensatory mechanisms related to common diseases across the lifespan with an emphasis on the application of this knowledge to clinical decision-making.

**Prerequisites:** Admission to the NP Programs or NP Cert programs.

**Student Learning Outcomes:** Upon successful completion of this course, the student will be able to:

1. Analyze regulatory and compensatory mechanisms underlying commonly occurring diseases to understand their impact on physiological function and clinical presentation.
2. Integrate advanced pathophysiologic concepts in assessing and differentiating disease processes across the lifespan.
3. Apply pathophysiologic principles to evidence-based management strategies for commonly occurring conditions in diverse patient populations across the lifespan.
4. Discuss the influence of genetic, environmental, and lifestyle factors on disease development, progression, and patient outcomes.

**It will take 9 hours of study a week to be successful in this class.**

**Required Textbooks and Readings: You must buy the required text book.**

| AUTHOR                                           | TITLE                                                                                    | EDITION             | PUBLISHER and/or ISBN                                                                                                                           |
|--------------------------------------------------|------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| McCance, K. L.,<br>Huether,<br>S. E., Rodgers, J | Pathophysiology: The biologic basis<br>for disease in adults and children                | 9th. Ed.            | ISBN: 978-0-32378987-5                                                                                                                          |
| McCance, K. L.,<br>Huether, S. E.,<br>Rodgers, J | Pathophysiology: The biologic basis<br>for disease in adults and children<br>study guide | 9 <sup>th</sup> Ed. | ISBN: 978-0-323-87498-4<br>The Eighth Edition is<br>available for free at the<br>library, and this will be ok<br>to use. ISBN<br>9780323413091. |

**Special Course Notes:** Exams usually take an hour and must be completed in a specific four-hour testing period (8 a.m.-noon). Upon written request, for those who need to go to work, the exams may be opened earlier on the day of the test (5-9 a.m.).

**Electronic Subscriptions** Assignments are to be submitted to Canvas by the due date.

**APEA QBank (required): QBank** is a test bank for advanced practice nurses. All nurse practitioners will use Q Bank in Advanced Pathophysiology, Advanced Health Assessment, and Advanced Pharmacology. Instructions on purchasing a Q Bank package will be given to students during the second week of class. The purchase of APEA QBANK is the student's responsibility, and details will be provided in the second week of class.

**UpToDate (Recommended):** You will receive this free through the school, and instructions for obtaining it will be discussed on the first day of class. It is an excellent resource for drugs, labs, and disease processes.

**Required Course Technology**

Respondus Lockdown Browser, along with a web camera, is a virtual proctoring service used for all exams. UT Tyler will pay for this technology; details will be given on the first day of class.

Specifically, Exams 1-4 will use an online proctoring service, Respondus Lockdown Browser, along with an external web camera and microphone.

Please make sure you are using the current version of **Chrome**. Specific instructions on Respondus will be posted on Canvas. Chrome works better than Firefox for Proctor U.

To use Respondus, you will need the following:

- High-speed Internet connection- not dial-up.

- Webcam and microphone – this must be separate from the camera that is built into a laptop or monitor and connects to the computer via a USB port.
- Windows, Mac, or Chrome Operating System
- Up-to-date Chrome browser and Respondus extension installed. There will be further testing instructions for Respondus in the first week of class.
- Valid photo ID (Driver's License)
- Quiet, uninterrupted environment to take your exam
- A lamp by the side of your monitor/computer for good lighting.

You can visit the Test Taker Resource Page for additional information in the Respondus page of the Getting Started module.

The content of this syllabus or web-based course is subject to change at the faculty's discretion in response to current learning needs. Therefore, it is wise to review assigned readings and assignments at the beginning of each week for possible updates. Notify the faculty immediately of any issues that delay assignment submission, and submit these notifications via the assignment link before the due date.

**Assignments and Weights/Point Values:**

| Criteria for Evaluation: | Percentage of Grade: |
|--------------------------|----------------------|
| Exam #1                  | 15%*                 |
| Exam #2                  | 15%*                 |
| Exam #3                  | 15%*                 |
| Exam #4                  | 15%*                 |
| Quizzes-APEA QBANK       | 35%                  |
| Learning Team project    | 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

Grades will not be rounded when calculating the average (79.5 is not rounded to 80, and 89.5 is not rounded to 90). The simple average of all unit exam grades must be at or above 80% to pass the course. Once the student has achieved a unit exam average of 80% or higher, course grades

will be determined by a weighted calculation of exams and other required coursework. Students must achieve an average of 80% (B) to complete the course successfully.

**Academic Integrity:** Cheating of any kind, as defined in Section 8 of the UT Tyler Manual of Policies and Procedures (MOPP) for Student Affairs (<https://www.uttyler.edu/mopp/>), will not be tolerated. Consequences may include:

- reprimand
- exam failure
- course failure
- expulsion from the Nursing program
- expulsion from the University
- other consequences as assigned

**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 violates 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

**Use of Artificial Intelligence:** All assignments in this course are individual assignments. In this class, you will often discuss course concepts with your classmates and me, but when you sit down to complete a quiz, write a discussion post, or work on a project, you are expected to do the actual work on your assignments independently.

Use of an AI Generator, such as ChatGPT, Midjourney, DALL-E, or OpenAI, is prohibited unless the instructor notes otherwise. The information derived from these tools is based on previously published materials. Therefore, using these tools without proper citation constitutes plagiarism. Additionally, be aware that the information derived from these tools is often inaccurate or incomplete. All work submitted must be your own. Any assignment found to have been plagiarized or to have used unauthorized AI tools may receive a zero and/or be reported for academic misconduct.

**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. Q bank

assignments will be due on Thursday nights at midnight unless otherwise stated on the course calendar. Specific due dates for topics are in your course calendar. If the assignment is submitted one week late, a grade of zero will be earned.

**Repeating a Course:** Students repeating this course may not use previously submitted assignments nor utilize the same Q-bank results 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, and assignments is at the instructor's discretion.

### **Graded Course Requirements Information:**

#### **EXAMS: 60% of course grade:**

Four multiple-choice exams will be worth 60% of your total grade. The exam's worth is described above. Any makeup exams are in an essay or fill-in-the-blank format rather than multiple-choice and are at the discretion of the faculty. The exams will be timed. Exam dates are listed on the course calendar and are in the "Getting Started" Module. Exam dates/times and exam windows are set. You will have 90 minutes to complete the exam. EXAMS 1-4 (unit-specific) will consist of multiple-choice questions. Exams are proctored using Respondus Lockdown Browser, and students must be on camera for the exam to be accepted. Failure to comply with the proctoring rules will result in a zero for the exam.

You must use Respondus for your online testing proctor for Unit exams 1-4. Sign-up and login instructions/help can be found in Canvas under Respondus Lockdown Browser in the "Getting Started" Module.

*Committing to graduate school is a significant responsibility that requires careful balance between academic and personal schedules during these rigorous years. The SON faculty wants to partner with you to ensure your success with course examinations. Please review the policy on the graduate examinations below to understand the expectations of the SON and to ensure your academic success.*

*The UT Tyler School of Nursing faculty are committed to...*

- *Posting complete syllabi, including course calendars, ahead of the semester for each course to allow ample time for student life planning.*
- *exams are scheduled during a 4-hour time block.*
- *immediate access to the instructor via Zoom during testing for individual student support.*
- *Provide accommodations approved by SAR for individualized student needs.*
- *Partnering with students to achieve academic success*

*Link to UT Tyler Course Syllabi: <https://www.uttyler.edu/academics/colleges-schools/nursing/syllabi/>*

*Commitment required from students...*

- *Review each course syllabus and assignment calendar before the semester starts to make necessary arrangements for the specified exam days*
- *notify instructors immediately of any emergencies that hinder exam time – discretion to the faculty on a case-by-case basis*
- *Request accommodations appropriately through the SARS for any physical or learning needs, which will notify the faculty of any requests*
- *achievement of a minimum examination average score of 80% to pass each course*
- *adherence to the university policy of academic integrity*
- *Rationale for examinations with a timed schedule is expected for licensure students sitting for National Exams, as is exam integrity adherence.*

*We appreciate your understanding and commitment to your academic journey. We are here for you!*

**QUIZZES (Q Bank): 35%** of the overall grade. Each quiz will have unit-specific quizzes via APEA Q bank. APEA Q bank access is required for course assignments. The Final quiz will cover all subject areas from the previously completed Q banks.

**APEA Q bank 10 Categories:** Cardiology, Dermatology, Endocrine, Gastrointestinal, Hematology, Neurology, Orthopedics, Psychiatry, Respiratory, Urology

APEA quizzes are unit-specific, and categories will be combined per unit, with 11 quizzes throughout the semester. Multiple attempts may occur before the due date. Grading will be based on timely submissions. A minimum grade of 80% is required to submit your quiz on Canvas, including the APEA final. Purchase of 3-month access to APEA QBANK is required; instructions for purchasing QBANK are in the Getting Started module. Quizzes are due by Thursday at midnight.

**Learning Team Project:** 5% of the overall grade. Specific requirements are in the assignment link.

**Please note:** Detailed information and grading rubrics for course assignments will be provided in Canvas.

**Important Course Dates:**

**Classes begin on August 27th.** Faculty will respond to course questions on Monday, August 31st.

We begin team assignment work on Sept 8 from 8-9 pm, so please join this Zoom. Use the office hours link: [Zoom Link for Team Assignment work](#)

Meeting ID: 975 590 507

Passcode: patho

One tap mobile

+134624 87799, 975590507# US (Houston)

**Census Date (withdraw without penalty): Sept 9, 2026**

**Last Date to Withdraw: Nov 2<sup>nd</sup>.** Students, please notify your course faculty and contact your advisor.

**Final Exam: 12/8/26**

**Calendar of Topics, Readings, and Due Dates** [Print this page](#)

| Week | Subject                                                                                                         | A/P review | Chapters tested over | Assignments due dates (due dates in Canvas also)                                                       |
|------|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|--------------------------------------------------------------------------------------------------------|
| 1    | Course Orientation Tuesday 9/1 from 8-9pm<br>Cellular Biology Principles, Fluids/Electrolytes, Acid/Bases       |            | 1,2,3                | course orientation Tuesday 9/1 from 8-9 pm via office hours zoom link due 9-10                         |
| 2    | Genetics<br>Cancer                                                                                              |            | 4,5,6, 12,13,14      | Please attend 9/8 as we start team learning<br>Getting started nursing forms and syllabi quiz due 9/10 |
| 3    | Inflammation and Immunity                                                                                       |            | 7,8,9                |                                                                                                        |
| 4    | Test 1 Monday 9/21 from 8 am-noon<br>Infection and stress                                                       |            | 10,11                | Teamwork project due 9/24<br>Buy Q bank by 9/24                                                        |
| 5    | Cardiovascular & Lymph                                                                                          | 31         | 32,33                | Cardiology Q bank 10/1                                                                                 |
| 6    | Hematology<br>Endocrine and Metabolic                                                                           | 28<br>21   | 29,30<br>22,23       | Hematology Q bank 10/8<br>Endocrine 10/8                                                               |
| 7    | Test 2 Monday 10/12 from 8 am-noon<br>Respiratory disorders                                                     | 34         | 35,36                | Respiratory Q bank 10/15                                                                               |
| 8    | GI                                                                                                              | 40         | 41,42                | GI Q bank 10/22                                                                                        |
| 9    | Reproductive/STI<br>Urology                                                                                     | 24<br>37   | 25,26,27<br>38,39    | Urology Q bank 10/29                                                                                   |
| 10   | Test 3 Monday, 11/2 from 8 am-12<br>Last day to withdraw is Monday, 11/2<br>Neurological                        | 15         | 17, 18,20            | Neuro Q bank 11/5                                                                                      |
| 11   | Mental Health, Addictions, Pain, Sensory, Sleep                                                                 |            | 16,19                | Psychiatry Q bank 11/12                                                                                |
| 12   | Muscular Skeletal                                                                                               | 43         | 44,45                | orthopedics Q bank 11/19                                                                               |
|      | Fall break – no classes Nov 23-27                                                                               |            |                      |                                                                                                        |
| 13   | Dermatology                                                                                                     |            | 46,47                | Dermatology Q bank 12/3                                                                                |
| 14   | Test 4 Monday 12/7 from 8 am-noon<br>APEA Final (submitted online) Tuesday 12/8 by NOON- no extensions allowed. |            |                      | APEA Final: 12/8                                                                                       |

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

[https://www.utt Tyler.edu/nursing/college/student\\_guide\\_and\\_policies.php](https://www.utt Tyler.edu/nursing/college/student_guide_and_policies.php)

**Student Resources and University Policies are provided on Canvas.**