



**Advanced Pathophysiology NURS 5350 (all sections)  
Spring 2022 Scheduled Class Days and Times:  
Online**

**Instructor's Name:**

Barbara Chapman DNP, APRN, FNP-C, NHDP-BE, EBP-C, PMHNP-BC (all sections)

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\* **Office Hours:** Tuesdays 3:00pm – 6:00pm

\*Best way to contact me.

**Course Description:** Regulatory and compensatory mechanisms as they relate to commonly occurring diseases across the lifespan are explored.

**Prerequisite:** Admission to the NP Program or NP Cert program

**Student Learning 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 lifespan.
3. Apply pathophysiologic concepts of disease to the management of commonly occurring conditions across the lifespan.

**Required Textbooks**

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

**Recommended Text:**

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

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

**Electronic Subscriptions**

**APEA QBANK** (required): QBANK is a test bank for advanced practice nurses. All nurse practitioners will be using QBANK in Advanced Pathophysiology, Advanced Health Assessment and Advanced Pharmacology. Instructions to purchase a QBANK package will be given to student on the first day of class. Purchase of APEA QBANK is student responsibility

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

**Required Course Technology**

*ProctorU Auto* and *ProctorU Live* are virtual proctoring services that will be used for all exams. This technology will be paid for by UT Tyler.

Specifically, Exams 1-4 will use ProctorU Auto and the Final Exam will use ProctorU Live. There is no additional cost for proctoring with ProctorU. The only time you may be charged a fee is if

you register LATE for scheduling the Final Exam through ProctorU Live. ProctorU Live requires each student to schedule within 72 hours prior to the Final Exam. You will need to create a ProctorU account and install the ProctorU extension before attempting any exam. To create a ProctorU account, follow the ProctorU tool within Canvas.

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

- In order to use ProctorU, you will need the following:
- High-speed Internet connection
- Webcam (internal or external)
- Windows, Mac, or Chrome Operating System
- Up-to-date Chrome or Firefox browser and ProctorU extension installed
- Valid photo ID
- Quiet environment to take your exam

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

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

#### **Assignments and Weights/Point Values:**

<b>Criteria for Evaluation:</b>	<b>Percentage of Grade:</b>
Exam #1	15%*
Exam #2	15%*
Exam #3	15%*
Exam #4	15%*
Exam # 5 APEA COMPREHENSIVE FINAL	15%*
Quizzes-APEA QBANK	10%
Patho Presentation	15%

#### **Grading Scale:**

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

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

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

*\*The average of your exams (4 unit exams and final exam) must be greater than or equal to 80 in order to pass the course. Even if you have enough points to pass otherwise, you will not pass the course without making an 80 average on the five exams (400 out of 500 exam points=80% average). This does not include QBank quizzes.*

**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

**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, clinical time missed is at the discretion of the instructor.

**Graded Course Requirements Information:**

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

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

- **QUIZZES (QBank): 10%** of overall grade  
Each unit will have unit specific quizzes via APEA QBANK (due dates per course calendar.)  
APEA Categories:

1. Cardiology
2. Dermatology
3. Endocrine
4. Gastrointestinal
5. Hematology
6. Men Health
7. Women's Health
8. Neurology
9. Orthopedics
10. Psychiatry
11. Respiratory
12. Sexually Transmitted Infections
13. Urology

Quizzes are unit specific and categories will be combined per each unit with a total of 9 quizzes throughout the semester). Multiple attempts may occur prior to due date.

**Grading will be based on timely submission. A minimum grade of 80% is required.**

Purchase of 3-month access to APEA QBANK is required (see electronic subscriptions above.)

- **PATHO PRESENTATION: 15%** of overall grade.  
Each student will select one topic from the list provided in the **discussion board section** of Canvas. Each presentation has its own deadline, so in selecting your topic you are also selecting your presentation due date. Discussion Post thread for sign-up is available under the "getting started" module. Sign-up is available starting the first day of the course and closes per course calendar date. 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 Presentation is submitted late, the highest score you can achieve is a 70.

### Patho Presentation Grading Rubric

Criteria	Points
<p><b>Pathophysiological Basis for the Disease</b></p> <ol style="list-style-type: none"> <li>1. Epidemiology or extent of the disease</li> <li>2. Progression/history of the disease</li> <li>3. Anatomy &amp; physiology related to the disease</li> <li>4. Pathogenesis (etiology/cause)</li> <li>5. <b><i>Pathophysiology (the functional changes that exist because of the condition, the sequelae once the condition is present)</i></b></li> <li>6. Clinical manifestations (signs &amp; symptoms)</li> <li>7. Existing prevention &amp; therapeutic measures</li> <li>8. Current or future research relevant to the problem/disease.</li> </ol>	55
<p><b>Sources</b></p> <ul style="list-style-type: none"> <li>• Use of at least 5 scientific sources.</li> <li>• Sources are no greater than 5 years old (some exceptions may apply).</li> <li>• Sources are from peer-reviewed journals, clinical textbooks, or other clinical professional databases (Up-to-date, DynaMed).</li> <li>• Sources are NOT from consumer-based websites (e.g., Mayo Clinic).</li> </ul>	15
<p><b>Format, Organization, &amp; APA</b></p> <ul style="list-style-type: none"> <li>• PowerPoint is well-organized, creatively displayed, and lacks spelling/grammatical errors.</li> <li>• Length not to exceed 25 slides which includes title and reference slides.</li> <li>• <b>Your “script”</b> is included with each slide in the Notes section.</li> <li>• Text is paraphrased (avoid direct quotes)</li> <li>• Written at a graduate-level for a professional/clinical audience (not a patient).</li> <li>• APA format for citations and references. All images/graphics/tables from sources are cited.</li> </ul>	15
<p><b>Case Patient &amp; Questions</b></p> <ul style="list-style-type: none"> <li>• Patient Case is representative of the disease/condition.</li> <li>• Five multiple choice questions integrate the patient case with the disease pathophysiology or clinical presentation.</li> <li>• Audience should be able to find the answer within the presentation content.</li> <li>• Multiple choice questions have 4 options.</li> <li>• The rationales for the correct (and incorrect) answers are given in the</li> </ul>	15

Notes section with source and page#	
Total Points	100

### **Calendar of Topics, Readings, and Due Dates:**

*Note the last date to drop the course is included in the calendar along with the final exam date and time. These are required. Students HIGHLY recommend that you link the assignments to the Canvas calendar. That comes up on their phones*

Dates	Unit	Subject	Chapters
<b>Week 1</b> Jan 10-15		Course Orientation	Explore course site/Syllabus Quiz
	<b>MODULE 1</b>		
	<b>1</b>	Cellular Biology Principles, Fluids/Electrolytes, Acid/Bases	1, 2, 3
Discussion Board: Choose PowerPoint Presentation Topic – Due Jan 15			
<b>Jan 17<sup>th</sup> Martin Luther King Jr Day</b>			
<b>Week 2</b> Jan 16-22	<b>2</b>	Genetics	4, 5, 6
	<b>3</b>	Cancer	12, 13, 14
<b>Jan 21 Census Date</b>			
<b>Week 3</b> Jan 23-29	<b>4</b>	Inflammatory Process & Immunity	7, 8, 9
<b>Monday, Jan 31<sup>st</sup> 1200 - 1600 Exam 1</b>			
<b>Week 4</b> Jan 30 – Feb 5	<b>MODULE 2</b>		
	<b>5</b>	Infection & Stress	10, 11
<b>Week 5</b> Feb 6 – Feb 12	<b>6</b>	Cardiovascular & Lymph	32, 33, 34
	<b>7</b>	Hematology	28, 29, 30, 31
<b>Week 6</b> Feb 13-19	<b>8</b>	Endocrine and Metabolic	21, 22, 23
<b>DUE Feb 14<sup>th</sup> @ 2359</b>		QBANK QUIZ	Cardiovascular
		QBANK QUIZ	Hematology
		QBANK QUIZ	Endocrine
		Patho Presentations	Unit 2 Module 5, 6, 7, 8
<b>Monday, Feb 21<sup>st</sup> 1200 - 1600 Exam 2</b>			
<b>Week 7</b> Feb 20 - 26	<b>MODULE 3</b>		
	<b>9</b>	Respiratory Disorders	35, 36, 37
<b>Week 8</b> Feb 27 – Mar 5	<b>10</b>	Gastrointestinal Disorders	41, 42, 43
<b>Mar 7 – 12 SPRING BREAK</b>			
<b>Week 9</b> Mar 13 - 19	<b>11</b>	Reproductive Disorders / STIs	24, 25, 26, 27
	<b>12</b>	Renal and Urinary Tract Disorders	38, 39, 40
<b>DUE Mar 14th by 2359</b>		QBANK QUIZ	Respiratory
		QBANK QUIZ	Gastrointestinal/Urology
		QBANK QUIZ	STD/Women/Men
		Patho Presentations	Unit 3 Module 9, 10, 11, 12

Mar 21 <sup>st</sup> 1200 - 1600 EXAM 3			
Mar 21 <sup>st</sup> LAST DAY TO WITHDRAW			
<b>Week 10</b> Mar 20 - 26	<b>MODULE 4</b> <b>13</b>	Neurologic Diseases	15, 17, 18
<b>Week 11</b> Mar 27-Apr 2	<b>14</b>	Mental Health, Addictions, Pain, Sleep/Sensory, Temp Regulation	16, 19
<b>Week 12</b> Apr 3 - 9	<b>15</b> <b>16</b>	Musculoskeletal Dermatology	44, 45, 46 47, 48
<b>DUE Apr 4th by 2359</b>		QBANK QUIZ	<b>Neurology</b>
		QBANK QUIZ	<b>Orthopedics/Dermatology</b>
		QBANK QUIZ	<b>Psychiatry</b>
		Patho Presentations	<b>Unit 4 Module 13, 14, 15, 16</b>
Apr 11 <sup>th</sup> 1200 - 1600 EXAM 4			
<b>Week 13</b> Apr 10 - 16			
Apr 18 <sup>th</sup> 1200 - 1600 FINAL EXAM			
<b>Week 14</b> Apr 17 - 23		<b>April 23 - End of 14-week session</b>	

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

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

*"The COVID-19 situation continues to be fluid, with SON and university policies and procedures changing in response. Please keep apprised of the most recent updates through your SON program site in Canvas (faculty could put link here specific to BSN, MSN, DNP, PhD) and the university website (<https://www.uttyler.edu/coronavirus/>)"*

**Student Resources to assist you in this course:**

[UT Tyler Student Accessibility and Resource \(SAR\) Office](#) (provides needed accommodations to students with document needs related to access and learning)

[UT Tyler Writing Center](#)

[The Mathematics Learning Center](#)

[UT Tyler PASS Tutoring Center](#)

[UT Tyler Supplemental Instruction](#)

[Upswing \(24/7 online tutoring\) - covers nearly all undergraduate course areas](#)

[Robert Muntz Library \(Links to an external site.\)](#) and [Library Liaison](#)

[Canvas 101](#) (learn to use Canvas, proctoring, Unicheck, and other software)

Digital Support Toolkit (for supported courses only. Students are automatically enrolled in the toolkit for supported courses)

LIB 422 -- Computer Lab where students can take a proctored exam

[The Career Success Center](#)

[UT Tyler Testing Center](#)

[Office of Research & Scholarship Design and Data Analysis Lab](#)



### **Resources available to UT Tyler Students**

[UT Tyler Counseling Center](#) (available to all students)

[TAO Online Support Center](#) (online self-help modules related to mental & emotional health)

[Military and Veterans Success Center](#) (supports for all of our military affiliated students)

[UT Tyler Patriot Food Pantry](#)

[UT Tyler Financial Aid and Scholarships](#)

[UT Tyler Registrar's Office](#)

[Office of International Programs](#)

[Title IX Reporting](#)

[Patriots Engage](#) (available to all students. Get engaged at UT Tyler.)

### **University Policies and Information**

**Withdrawing from Class:** Students you are allowed to [withdraw](#) (drop) from 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 to 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 \(https://hood.accessiblelearning.com/UTTyler/\)](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**

**Information for Classrooms and Laboratories:** Students are required to wear face masks covering their nose and mouth, and follow social distancing guidelines, at all times in public settings (including classrooms and laboratories), as specified by [Procedures for Fall 2020 Return to Normal Operations](#). The UT Tyler community of Patriots views adoption of these practices consistent with its [Honor Code](#) and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature will be excused from class and should stay at home and may join the class remotely. Students who have difficulty adhering to the Covid-19 safety policies for health

reasons are also encouraged to join the class remotely. 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](mailto:saroffice@uttyler.edu).

**Recording of Class Sessions:** Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.

**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.uttyler.edu/about/campus-carry/index.php>.