



Integrated Advanced Health Assessment, Pathophysiology, and Pharmacology
NURS 5355
Spring 2023

Scheduled Class Days and Times: Online

Instructor's Name: Colleen Marzilli, PhD, DNP, MBA, APRN, FNP-BC, CNE, NEA-BC, PHNA-BC, CCM, MedSurg-BC, FNAP

Office: Virtual

Phone: 903.571.4739*

Email: cmarzilli@uttyler.edu

Office Hours: Wednesdays 8:30AM CST to 11:30AM CST via Zoom posted in course

*Best way to contact me.

Course Description: This course is designed for the master's students who are not planning to pursue a nurse practitioner certification. Students will integrate concepts of advanced pathophysiology and advanced pharmacology to apply advanced health assessment principles and skills for comprehensive examination of clients. Focus will be on common deviations from normal. Populations across the lifespan will be included.

Prerequisites: Admission to MSN Edu program or enrolled in the PhD in Nursing program.

Corequisites: N/A

Student Learning Outcomes:

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

Building upon basic health (physical & mental) assessment, pathophysiology, and pharmacology (3Ps) knowledge, this course focuses on the application and synthesis of this knowledge for clinical decision-making. Upon successful completion of this course, the student will be able to:

1. Master and apply advanced concepts in health assessment including interviewing for holistic health history, advanced health examination, documentation strategies, and frameworks for diagnostic reasoning (mini-lectures).
2. Master and apply advanced concepts in pharmacology including pharmacodynamic and pharmacokinetic properties of drugs, pharmacogenetic concepts influencing drug therapy, legal prescription writing techniques for controlled substances, and advances in safe medication administration (mini-lectures).

3. Master and apply advanced concepts in pathophysiology including genetics and epigenetics, the influence of neurobiology on daily functioning and mental health, inflammation and its role in disease, and all major body systems. (mini-lectures).
4. Appraise current topics impacting pharmacologic treatment (novel treatments for cancer, antimicrobial resistance, opioid overuse and abuse, etc.).
5. Synthesize clinical diagnoses from information from multiple sources (patient history, health assessment, review of systems, lab reports, and medication history).
6. Integrate pathophysiologic concepts of disease in the assessment and treatment of patients across the life span (mini-lectures).
7. Integrate pharmacologic concepts as well as non-pharmacologic concepts into a patient-centered care plan (mini-lectures).
8. Collaborate with team members to develop an effective, evidence-based, safe, individualized plan of care for the patient that takes into consideration life circumstances, cultural, ethnic, and developmental variations.

Required Textbooks and Readings:

If you are in a clinical course, all students are required to have an active InPlace subscription.

Recommended Textbooks and Readings:

Shadow Health
 Shadow Health Digital
 Clinical Experience
 (simulation software)

Assignments and Weights/Percentage/Point Values (Should equal 100%)

Mini Lectures	25%
Case Analysis	25%
Grand Rounds	25%
Shadow Health Virtual Assessment	25%

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 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 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:

The major assignments are as follows:

CASE ANALYSIS

The purpose of this assignment is to apply 3Ps concepts in an unfolding case study on a particular disease topic for a particular patient. The questions within each document ask for detailed, graduate-level explanations of the 3Ps concepts.

Course Learning Objectives in Syllabus: 1, 2, 3, 4, 5, 6, 7

GRAND ROUNDS PRESENTATION

The purpose of this assignment is to synthesize your knowledge of the 3Ps for one disease process that is affecting one particular patient. Each module, you will add sections to the 3Ps Write-Up and your patient's case. At the end of the semester, everyone will have a Grand Rounds Presentation that includes an entire Write-Up on the disease process and a story of your Case Patient.

Course Learning Objectives in Syllabus: 1, 2, 3, 4, 5, 6, 7, 8

MINI-LECTURES

The purpose of this assignment is to allow students to conduct in-depth research on an advanced 3Ps concept, teach the concept via a recorded Zoom session, and evaluate audience's understanding by asking questions. Each student records a 5 to 7 minute Mini-Lecture on an assigned concept (see specific module for your assigned topic). Then, each student will view other students' Mini-Lectures and post an answer to a posted question.

Course Learning Objectives from Syllabus: 1, 2, 3, 6, 7

SHADOW HEALTH ASSIGNMENT

The purpose of this assignment is to allow students to review and practice health assessment techniques on an interactive, virtual patient. This is a self-study module.

Course Learning Objectives from Syllabus: 1, 5

Please Note: Detailed information along with grading rubrics for course assignments will be provided in Canvas.

Important Course Dates:

Classes Begin: January 9, 2023

Census Date (withdraw without penalty): January 20, 2023

Last Date to Withdraw: March 20, 2023. Students please notify your course faculty and contact your advisor.

Final Exam: N/A

Calendar of Topics, Readings, and Due Dates:

***All assignments and discussions are due by 23:59 on Sunday evening at the end of the week.

Week	Week Starts	Topic	Discussion Board	Reading	Assignment

1	January 9	Course Orientation Getting to Know You	DB: Post Introductions	See module	Submit Student Information Template Submit patient for Grand Rounds Case
2	January 16	Module 1: Patho	Patho Mini Lecture	See module	Patho Mini Lecture
3	January 23		Patho of Disease Case Study	See module	Patho of Disease Case Study
4	January 30	Module 2: Physical Exam	Physical Exam Mini Lecture	See module	Physical Exam Mini Lecture Shadow Health
5	February 6		Physical Exam of Disease	See module	Physical Exam of Disease Case Study Shadow Health
6	February 13			See module	Shadow Health
7	February 20			See module	Shadow Health
8	February 27			See module	NIHSS
9	March 6	Module 3: Pharm	Pharm Mini Lecture	See module	Pharm Mini Lecture
10	March 20		Pharm Case Study	See module	Pharm Case Study

11	March 27			See module	
12	April 3	EVALUATIONS!! Module 4: Grand Rounds	Case Study One		Case Study One
13	April 10		Case Study Two		Case Study Two
14	April 17		Case Study Three		Case Study Three Final Presentation via Zoom

UT Tyler School of Nursing Justice, Equity, Diversity and Inclusion Statement:

The University of Texas at Tyler School of Nursing aspires to create, foster, and sustain a culture of justice, equity, diversity, and inclusion irrespective of one's identity. We value and embrace all backgrounds, experiences, and identities, realizing that no one group, person or perspective has all the answers. We are richer when our individual skills, knowledge, experiences, cultures, backgrounds, and identities are combined in an accepting community. We strive to ensure that every individual gets a fair and equal chance to participate and thrive in a nurturing environment where all feel a sense of belonging. We are committed to intentionally and deliberately creating a diverse community that instills a sense of equitable justice and belonging for everyone affiliated with our school.

School of Nursing Policies and Additional Information:

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

Student Resources and University Policies are provided in Canvas.