NURS 5355 SYLLABUS
SPRING 2025

COURSE TITLE: Integrated Advanced Health Assessment, Pathophysiology, and Pharmacology

COURSE NUMBER: NURS 5355

Scheduled Class Days and Times: Online
Instructor's Name: Dr. Cami Jo Tice-Harouff, APRN, FNP-C
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Office Hours: *TBD* & by appointments. ***Email faculty for the Zoom link.***

*Best way to contact

COURSE DESCRIPTION: This course is designed for master's students not planning to pursue a nurse practitioner certification. Students will integrate advanced pathophysiology and pharmacology concepts to apply advanced health assessment principles and skills to examine clients comprehensively. The focus will be on common deviations from normal. Populations across the lifespan will be included.

PREREQUISITES: Admission to MSN Education program or enrollment in the Ph.D. in Nursing program.

COREQUISITES: N/A

STUDENT LEARNING OUTCOMES:
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 pharmacodynamics 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, abuse, etc.).
5. Synthesize clinical diagnoses from information from multiple sources (patient history, health assessment, review of systems, lab reports, and medication history). (Case analysis)

6. Integrate pathophysiologic concepts of disease in assessing and treating 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:
Required Books:
- Medical-surgical nursing book of your choice.
- Pediatric nursing book of your choice.
- Obstetric/gynecological nursing book of your choice.

Recommended Books:
- Rhoads, J., Demler, T. L., & Dlugasch, L. (2018). *Advanced health assessment and diagnostic reasoning* (4th ed.). Jones & Bartlett Learning, LLC. ISBN: 9781284483994 Can be accessed online through UT Tyler library.
  https://ebookcentral.proquest.com/lib/uttyler/reader.action?docID=6026566&ppg=6
- Nettina, S. M. (2018). *Lippincott manual of nursing practice.* Wolters Kluwer. Can be accessed online through UT Tyler library.
- American Psychological Association. (2020). *Publication manual of the American psychological association* (7th ed.). American Psychological Association.
- Burchum, J. R., & Rosenthal, L. D. (2018). *Lehne's pharmacology for nursing care e-book.* Elsevier - Health Sciences Division. ProQuest Ebook Central.
  https://ebookcentral.proquest.com/lib/uttyler/detail.action?docID=5434798
- Use of Up to Date is highly recommended. Can be accessed free through library

Online:
- How to access library- https://libguides.uttyler.edu/library-online
- APA (7th Ed.) Resources
  https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/index.html

ASSIGNMENTS AND WEIGHTS/PERCENTAGE/POINT VALUES (Should equal 100%)

Mini Lectures	25%
Case Analysis	25%
Grand Rounds	25%
Physical Examinations	25%

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, & 89.5 is not rounded to 90).
Students must achieve an **average of 80% (B) to** complete the course successfully.

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.

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.

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

USE OF ARTIFICIAL INTELLIGENCE: UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit.

Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

For this course, AI is permitted only for specific assignments or situations, and appropriate acknowledgment is required. When AI use is permissible, it will be clearly stated in the assignment directions, and all use of AI must be appropriately ***acknowledged and cited***. Otherwise, the default is that AI is not allowed during any stage of an assignment.

When using AI tools for assignments, add an appendix showing (a) the entire exchange (e.g., prompts used), highlighting the most relevant sections; (b) a description of precisely which AI tools were used, (c) an explanation of how the AI tools were used (e.g. to generate ideas, elements of text, etc.); and (d) an account of why AI tools were used (e.g. to save time, to surmount writer's block, to stimulate thinking, to experiment for fun, etc.).

Students **shall <u>NOT</u>** use AI tools during in-class examinations or assignments unless explicitly permitted and instructed to do so.

https://www.uttyler.edu/digital-learning/ai/

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.

GRADED COURSE REQUIREMENTS INFORMATION: The major assignments are as follows:

1. **Case Analysis** - Course Learning Objectives in Syllabus: 1, 2, 3, 4, 5, 6, 7
   This assignment aims to apply the 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.
2. **Grand Rounds Presentation** - Course Learning Objectives in Syllabus: 1, 2, 3, 4, 5, 6, 7, 8
   This assignment aims to synthesize your knowledge of the 3Ps for one disease process of your choice affecting one patient (your case patient). In 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.
3. **Mini-Lectures -** Course Learning Objectives from Syllabus: 1, 2, 3, 6, 7
   This assignment allows students to conduct in-depth research on an advanced 3Ps concept, teach the concept via a recorded Zoom session, and evaluate the 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 TWO other students' Mini-Lectures and post an answer to a posted question.
4. **Physical Exam Content** - Course Learning Objectives from Syllabus: 1, 5
   The purpose of this assignment is to allow students to review and practice health assessment techniques. This culminates in the Comprehensive Assessment, a teaching assignment targeting pre-licensure nursing students to prepare them to complete a head-to-toe exam.

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

IMPORTANT COURSE DATES:
- Classes Begin: 02/02/25
- First Drop for non-payment: 01/08/25
- Second drop for non-payment – 01/24/25
- Census Date (withdraw without penalty): 01/14/25
- **Last Date to Withdraw: 03/11/25** *Please notify your course faculty & contact your advisor*.
- Final Exam: N/A

CALENDAR OF TOPICS, READINGS, AND DUE DATES:
- All assignments & discussions are **DUE** by **23:59 on Sunday** **at the end of the week.**
- All responses to Peers/Peer reviews are **DUE** the **following Sunday at 23:59 PM CST**

CALENDAR

Wk.	Dates	Modules	Assignment	Due
1.	01/02-01/12	**Getting Started Module 1**	• Zoom Orientation to Course • Getting Started | Quiz | Graduate Nursing Student Forms • Module 1 | Discussion: Introductions • Module 1 | Discussion: Grand Rounds Selected Topic • Module 1 | Discussion: Mini-lecture Selected Topic	**TBD** **01/12**
2.	01/13-01/19	**Module 1:** Pathophysiology	• Module 1 |Assignment: Mini-lecture 1 - Pathophysiology	**01/19**
3.	01/20-01/26		• Module 1 | Discussion: Mini-lecture (Pathophysiology) **Peer Review** • Module 1 | Assignment: Grand Round 1 - Pathophysiology	**01/26**
4.	01/27-02/02	**Module 2:** Physical Exam	• Module 1| Discussion: Grand Rounds (Pathophysiology) **Peer Reviews** • Module 2 | Assignment: Health History Overview • Module 2 | Assignment: Nursing Communication Part 1 • Module 2 | Assignment: Nursing Communication Part 2 • Module 2 | Assignment: Health History Part 1 • Module 2 | Assignment: Health History Part 2 • Module 2 | Assignment: Mini-lecture 2 - Physical Examination	**02/02**
5.	02/03-02/09		• Module 2 | Discussion: Mini-lecture (Physical Exam.) **Peer Reviews** • Module 2 | Assignment: Respiratory Part 1 • Module 2 | Assignment: Respiratory Part 2 • Module 2 | Assignment: Respiratory Part 3 • Module 2 | Assignment: Abdominal Exam • Module 2 | Assignment: Gastrointestinal Part 1 • Module 2 | Assignment: Gastrointestinal Part 2	**02/09**
6.	02/10-02/16		• Module 2 | Assignment: Cardiovascular Part 1 • Module 2 | Assignment: Cardiovascular Part 2 • Module 2 | Assignment: Chest Pain • Module 2 | Assignment: Grand Round 2 - Physical Examination	**02/16**
7.	02/17-02/23		• Module 2 | Discussion: Grand Rounds (Physical Exam.) **Peer Reviews** • Module 2 | Assignment: NIHSS Certificate	**02/23**

			• Module 2 | Assignment: Comprehensive Assessment	
8.	02/24-03/02	**Module 3:** Pharmacology	• Module 3 | Assignment: Mini-lecture 3 (Pharmacology)	**03/02**
9.	03/03-03/09		• Module 3 | Discussion: Mini-lecture (Pharmacology) **Peer Reviews** • Module 3 | Assignment: Grand Round 3 - Pharmacology	**03/09**
10.	03/10-03/16	**Module 4:** Integration of 3Ps	• Module 3 | Discussion: Grand Round (Pharmacology) **Peer Reviews** • Module 4 | Assignment: Case Analysis #1	**03/16**
11.	03/17-03/23		SPRING BREAK	
12.	03/24-03/30		• Module 4 | Assignment: Case Analysis #2 • Module 4 | Assignment: Case Analysis #3 - Answers & Sample Write-Up	**O3/30**
13.	03/31-04/06		• Module 4 | Discussion: Case Analysis #3 Template	**04/06**
14.	04/07-04/13		• Module 4 | Assignment | Final Grand Rounds Write up & Presentation • Module 4 | Discussion: Grand Rounds Final Presentation & Write-Up	**04/13**
15.	04/14-04/19		• Module 4 | Discussion: Grand Rounds Final Presentation & Write-Up **Peer Reviews**	**04/17**
END OF FALL SEMESTER				

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.