

**NURS 500**  
**Advanced Physiologic and Pathophysiologic Concepts**  
**Fall 2023**

**Faculty:** Dr. Eve Main DNP, APRN-BC  
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**Office hours:** Monday through Friday 8:30 to 2:30

The best way to contact me is by email. If you do not receive a response from me in 24 hours, please email me again.

**Course:** NURS 500 Advanced Physiologic and Pathophysiologic Concepts

**Credit:** 4 semester hours

**Prerequisites:** Admission to Western Kentucky University School of Nursing Graduate Program or completion of baccalaureate in nursing.

**Course Description:** Normal physiological and pathophysiological mechanisms of disease are used to explain human responses to potential and actual health problems across the life span as a foundation for clinical practice, decision-making and management.

**Course Objectives:** At the conclusion of this course the student will be able to

1. Compare and contrast physiologic changes over the life span.
2. Analyze the relationship between normal physiology and pathological phenomena produced by altered states across the life span.
3. Analyze and apply current research-based knowledge regarding pathological changes in selected disease states.
4. Describe the developmental physiology, etiology, pathogenesis, and clinical manifestations of commonly found altered health states.
5. Develop a framework to assess, monitor, manage, and evaluate client responses.
6. Analyze responses to illness and treatment modalities using a holistic approach.

<b>MSN Program Outcomes</b>	<b>Course Objectives</b>
Integrate theory and research from nursing and related disciplines as a foundation for advanced practice.	Compare and contrast physiologic changes over the life  Analyze the relationship between normal physiology and pathological phenomena produced by altered states across the life span.  Analyze and apply current research-based knowledge regarding pathological changes in selected disease states.
Demonstrate an understanding and	Develop a framework to assess, monitor, manage, and evaluate client

appreciation of human diversity	<p>responses.</p> <p>Analyze responses to illness and treatment modalities using a holistic approach.</p>
Integrate theoretical knowledge of health promotion and maintenance and illness/disease prevention to achieve optimal health.	<p>Describe the developmental physiology, etiology, pathogenesis, and clinical manifestations of commonly found altered health states.</p> <p>Develop a framework to assess, monitor, manage, and evaluate client responses.</p> <p>Analyze responses to illness and treatment modalities using a holistic approach.</p>

<b>DNP Program Outcomes</b>	<b>Course Objectives</b>
Critically appraise theoretical concepts and knowledge from nursing and other disciplines and integrate this evidence in developing, implementing, and evaluating best practices for improved health outcomes	<p>Compare and contrast physiologic changes over the life span.</p> <p>Analyze the relationship between normal physiology and pathological phenomena produced by altered states across the life span.</p> <p>Analyze and apply current research-based knowledge regarding pathological changes in selected disease states.</p>
Analyze and apply advanced nursing practice concepts of clinical prevention and health promotion to improve health outcomes in relevant populations.	<p>Analyze and apply current research-based knowledge regarding pathological changes in selected disease states.</p> <p>Develop a framework to assess, monitor, manage, and evaluate client responses.</p>
Apply the relevant advanced practice role to improve patient health outcomes and health care systems	<p>Describe the developmental physiology, etiology, pathogenesis, and clinical manifestations of commonly found altered health states.</p> <p>Develop a framework to assess, monitor, manage, and evaluate client responses.</p> <p>Analyze responses to illness and treatment modalities using a holistic approach.</p>

**Instructional Methodology:** Teaching methodologies include case study presentations, collaborative learning, discussion board forums, web sources, and videos. This is an online course and assignments, exams, and class discussions will be delivered via Blackboard. Students are responsible for checking Blackboard several times a week for announcements and assignments. The professor has the right to make changes to course assignments and schedule as needed. Any changes will be posted in the announcements section of the course on Blackboard.

The U.S. Department of Education requires that distance education courses must include regular and substantive interaction between students and faculty. For more information about Regular and Substantive Interaction at WKU, please visit the [Regular and Substantive Interaction in Online and Distance Learning webpage](#).

In this course, regular and substantive interaction will take place in the following ways:

- Faculty participation in discussion boards
- Dedicated student discussion board or questions, concerns, and clarification with weekly faculty participation
- Weekly announcements
- Timely and detailed feedback on assignments provided within one week of submission.

**Required Text:**

Dlugasch, L. & Story, L. (2021). *Applied Pathophysiology for the Advanced Practice Nurse*. Jones & Bartlett Learning.

**Communication:** Communication includes discussions in Blackboard and **WKU email communications**. All communications will be respectful and professional. Blackboard discussions and **WKU email communications** will be written in a formal business format (clear heading, salutation, concise content, and appropriate closing). Assignments will be posted in the course syllabus and/or in the Blackboard course.

**Campus Closure:** Online courses will continue as scheduled.

**Course Policies:** Academic policies found in the Graduate Handbook and the WKU Graduate Catalog will be followed in this course.

- **American Psychological Association (APA) 7<sup>th</sup> edition format** (*in-text citations and references*) is required for written assignments.
- Students are responsible for keeping a copy of written assignments uploaded to Blackboard Discussion for grading.
- Students are responsible for assuring that Blackboard Discussion assignments are successfully uploaded for grading.
- Policy on written assignments: Students are required to meet pre-established deadlines for assignments. Late assignment will **NOT** be accepted **UNLESS** arrangements **PRIOR** to pre-established deadlines have been negotiated with faculty.

**Evaluation:**

Exams (6)	150
Cumulative Final Exam	100
Case Studies (3 @ 50 pts)	150
Discussion Board Responses	75
Teaching Sheet	25
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All email communication is to be through your WKU email account.

**Course Changes:**

Faculty members reserve the right to make changes in the syllabus including adding or subtracting assignments or changing due dates if, in the opinion of the instructor, such changes will improve the course and/or enhance student learning. An updated syllabus will be given to students in writing by posting on the class blackboard site in such an event.

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**Students with Disabilities:** In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at [sarc.connect@wku.edu](mailto:sarc.connect@wku.edu). Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

**Title IX Misconduct/Assault Statement:** Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's [Sex and Gender-Based Discrimination, Harassment, and Retaliation](#) (#0.070) and [Discrimination and Harassment Policy](#) (#0.2040). Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Executive Director, Office of Institutional Equity/Title IX Coordinator, Ena Demir, 270-745-6867 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121. Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and MUST report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's [Counseling and Testing Center](#) at 270-745-3159.

**Academic Honesty:** Western Kentucky University nursing students are expected to demonstrate a high standard of academic honesty in all aspects of their academic work and college life. Without intellectual integrity there cannot be genuine learning. Academic dishonesty represents a direct attack on this integrity. In

taking tests and examinations, completing homework, laboratory and clinical work, writing papers, and using information technology, students are expected to demonstrate honesty. Cheating, plagiarism or other forms of academic dishonesty will lead to a failing grade on the assignment and/or a failing grade in the course. Repeat occurrences of this type of behavior can result in dismissal from the program.

**Plagiarism:**

Students' work is expected to be the result of their own thought, research, or self-expression. Plagiarism is the act of presenting the information, ideas, organization or phrase of another source without appropriate acknowledgment or credit given, either intentionally or because of gross negligence. Any act of plagiarism by a nursing student is not acceptable. Abstracted from Western Kentucky University Undergraduate Catalog.

**Artificial Intelligence**

Artificial intelligence (AI) tools are not permitted for any type of work in this class. If you choose to use these tools, your actions will be considered academically dishonest and a violation of the [WKU Student Code of Conduct](#).