

**WILMINGTON UNIVERSITY
COLLEGE OF HEALTH PROFESSIONS**

COURSE NUMBER: MSN 6603

COURSE TITLE: ADVANCED PHYSIOLOGY/PATHOPHYSIOLOGY

CREDITS: 3

PREREQUISITE: NONE

FACULTY MEMBER:

TERM:

METHOD OF CONTACT/ OFFICE HOURS :

COURSE TIME BREAKDOWN

35 Hours Scheduled Instruction
10 Hours Structured External Assignments (SEA)
60-80 Hours Independent Learning

COURSE DESCRIPTION: This course focuses on advanced concepts of normal physiology and pathology of TEXTBOOKS

*A list of course textbooks are available on the Wilmington University Bookstore website:
<http://bookstore.wilmu.edu/>

COURSE OBJECTIVES

This course will provide students with the knowledge and skills to:

1. Analyze the importance of physiological processes to critical functions, and the interaction of major organ systems
2. Apply knowledge of normal physiology to the interpretation of pathology in common acute and chronic altered states
3. Identify variations in pathophysiological processes in pediatric and geriatric clients
4. Apply the knowledge of pathophysiology to the process of patient education
5. Discuss the epidemiology of select disease processes
6. Evaluate current research regarding evidence-based care in discussion of common disease and altered states
7. Utilize critical thinking skills in class discussion, written work, online assignments, and oral/visual/voice-enhanced presentations

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METHODOLOGY

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COURSE OUTLINE AND SCHEDULE

Week	Topic	Readings and Resources	Activities and Assignments
1 Introduction Synchronous Session #1	<p>The Cell and Mechanisms of Self- Defense</p> <p>Text: McCance, K, and Heuther, S. (2018) Pathophysiology: The Biologic Basis for Disease in Adults and Children, 7th edition</p>	<p>Introduction: Course and Syllabus</p> <p>Lecture: The Cell and Immunity</p> <p>Text : Unit I and Unit III</p> <p>Additional Resources: Recorded lecture, powerpoints, videos, web resources & LIB Guide MSN 6603</p>	<p>Complete Introductions and</p> <p>Concept Map: Inflammation: Due Sun by 11:59 pm</p> <p>Comparison Chart Acid/Base & Fluids</p> <p>Due Sun by 11:59 pm</p> <p>*Presentations and initial Voice Thread posts due by Wed. at 11:59 Presentations must also be submitted through assignment link for grading</p>

Lecture: Cancer

Cellular Proliferation:
Cancer

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resources & [LIB Guide MSN
6603](#)

Answers to presentation
questions Sun by 11:59

9
Synchronous
Session # 3

The Renal and Urologic
System

Lecture: Renal System

Text: Unit XI

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Multiple Interacting
Systems & Shock

Video and Power point-
MODS & Shock

Additional Resources:
Recorded lecture,
powerpoints, videos, web
resources & [LIB Guide MSN](#)

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COURSE POLICIES

College of Health Professions Attendance Policy:

Because class sessions are highly interactive, any student's absence diminishes the quality of learning for everyone. Students are expected to attend all in-class sessions and to log on and participate in all online sessions, as the course format requires. Failure to do so may be considered an unexcused absence. Be apprised that faculty have the ability to monitor your access to Canvas sessions. Please note that your weekly attendance is electronically tracked and is a criterion for your final course grade. Communication with your course faculty is essential.

College of Health Professions Late Assignment Policy:

Late assignment submissions will not be accepted unless prior communication and approval have been arranged with the course faculty. No assignments will be accepted after the final day of the course unless the student has established a Student "Incomplete" Course Grade Agreement with the course faculty.

College of Health Professions Response Time Policy:

Faculty will generally respond to all student communication within 24-48 hours unless a weekend or howc 50 BDar 1()-2 (l -2 (l -2T2 (r)3 .s(c)-s)5 (s t/P w-2 (l)-2 (y r)3 ((l)-2 (l m)8 (oni)-2 m)8 -1 (o wvamele Anele(i)3 (l).s(c)-ss(be)-1 (a)-2 (e)-1hin 24 beense unC353.5acssi.9 es-1 (hcty)1 (:))ms Resessi6 (m)-1 s-1 (hP)2 (o ST0 Tc 0ty)1 (:))mRry0 Tc (g)1 cai6