



## COURSE OUTLINE: PATH2160 - PATHOPHYSIOLOGY II

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Approved: Bob Chapman, Dean, Health

<b>Course Code: Title</b>	PATH2160: PATHOPHYSIOLOGY II	
<b>Program Number: Name</b>	3401: HONOURS BSCN	
<b>Department:</b>	BSCN - NURSING	
<b>Academic Year:</b>	2024-2025	
<b>Course Description:</b>	This course introduces the student to the study of pathophysiology. An integrated and system-based approach will be taken to provide the student with the background concepts to understand pathophysiology. Students will examine how various disease states challenge homeostasis and how this impacts structure and function of the various organ systems and the human body. It is expected that the student will bring to this course a competent background in human anatomy and physiology.	
<b>Total Credits:</b>	3	
<b>Hours/Week:</b>	3	
<b>Total Hours:</b>	36	
<b>Prerequisites:</b>	BIOL2060, BSCN2000, BSCN2010, BSCN2011, PATH2050	
<b>Corequisites:</b>	BSCN2100, BSCN2102, BSCN2110	
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p> <p>EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.</p> <p>EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.</p> <p>EES 10 Manage the use of time and other resources to complete projects.</p> <p>EES 11 Take responsibility for ones own actions, decisions, and consequences.</p>	
<b>General Education Themes:</b>	Science and Technology	
<b>Course Evaluation:</b>	<p>Passing Grade: 65%, C</p> <p>A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.</p>	
<b>Course Outcomes and Learning Objectives:</b>	<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
	1. Disorders of the	1.1. Identify the etiology, contributing factors, signs and



	Endocrine System	symptoms and complications of various endocrine disorders. 1.2. Compare Type 1 and Type 2 diabetes. 1.3. Examine the diagnostic tests used to diagnose and monitor various endocrine disorders.
	<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
	2. Fluid and electrolyte balance, Acid /base imbalance.	2.1 Identify and describe functions and regulatory mechanisms that maintain fluid and electrolyte balance. 2.2 Identify and describe the common causes signs and symptoms and complications of fluid volume excess and deficit. 2.3 Identify and describe the common causes, signs and symptoms and complications of the more common electrolyte imbalances. 2.4 Identify and describe the common causes, signs and symptoms and complications of acidosis and alkalosis (metabolic and respiratory). 2.5 Discuss diagnostic tests used to diagnose and monitor fluid, electrolyte and acid/base imbalances.
	<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
	3. Disorders of the Genitourinary System	3.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common urinary system disorders. 3.2. Examine the diagnostic tests used to diagnose disorders of the urinary system.
	<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
	4. Disorders of the Gastrointestinal System	4.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common gastrointestinal disorders. 4.2. Examine the diagnostic tests used to diagnose and monitor gastrointestinal disorders.
	<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>
	5. Disorders of the Neurological System	5.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of acute neurological disorders. 5.2. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of neurodegenerative disorders.
	<b>Course Outcome 6</b>	<b>Learning Objectives for Course Outcome 6</b>
	6. Disorders of the Musculoskeletal System	6.1. Identify the etiology, contributing factors, signs and symptoms and complications of common acute and chronic musculoskeletal disorders. 6.2. Examine diagnostic tests used to diagnose and monitor musculoskeletal disorders.

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
5 Unit Quizzes	15%
Final	30%



	In class work	10%
	Midterm	30%
	Sherpath activities	15%

**Date:** December 9, 2024

**Addendum:** Please refer to the course outline addendum on the Learning Management System for further information.