



## COURSE OUTLINE: PNG251 - PATHOPHYSIOLOGY II

Prepared: Ann Boyonoski

Approved: Bob Chapman, Chair, Health

<b>Course Code: Title</b>	PNG251: PATHOPHYSIOLOGY II
<b>Program Number: Name</b>	3024: PRACTICAL NURSING
<b>Department:</b>	PRACTICAL NURSING
<b>Semesters/Terms:</b>	19W
<b>Course Description:</b>	This course provides the learner with a general understanding and working knowledge of the structure and function of various body systems experiencing both acute and chronic health challenges. The learner will examine changes that occur in the human body and explore how the body compensates for those challenges.
<b>Total Credits:</b>	4
<b>Hours/Week:</b>	4
<b>Total Hours:</b>	40
<b>Prerequisites:</b>	PNG233
<b>Corequisites:</b>	PNG250, PNG252
<b>Substitutes:</b>	OEL680
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>  Please refer to program web page for a complete listing of program outcomes where applicable.	<b>3024 - PRACTICAL NURSING</b> VLO 1 Communicate therapeutically with clients and members of the health care team. VLO 2 Assess clients across the life span, in a systematic and holistic manner. VLO 3 Plan safe and competent nursing care, based upon a thorough analysis of available data and evidence-informed practice guidelines.
<b>Essential Employability Skills (EES) addressed in this course:</b>	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. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.
<b>General Education Themes:</b>	Science and Technology
<b>Course Evaluation:</b>	Passing Grade: 60%, C
<b>Other Course Evaluation &amp; Assessment Requirements:</b>	Students enrolled in OEL679 (Pathophysiology I) must then continue on into OEL680 (Pathophysiology II).



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	<p>Students that have taken PNG 233 (Pathophysiology I) can take either PNG 251 or OEL680 (Pathophysiology II).</p> <p>Students that fail PNG 251 can take OEL680.</p> <p>All online courses MUST be completed by the end of semester 4 (mid-March) in order to begin consolidation on time.</p>																								
<b>Books and Required Resources:</b>	<p>Pathophysiology: Introductory Concepts and Clinical Perspectives by Capriotti, T., Frizzell, JP  Publisher: FA Davis  ISBN: 9780803615717</p>																								
<b>Course Outcomes and Learning Objectives:</b>	<table> <tr> <th>Course Outcome 1</th><th>Learning Objectives for Course Outcome 1</th></tr> <tr> <td>1. Neoplasms.</td><td> 1.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of cancer.  1.2. Differentiate between benign and malignant neoplasms (tumors).  1.3. Discuss tumor staging and grading. </td></tr> <tr> <th>Course Outcome 2</th><th>Learning Objectives for Course Outcome 2</th></tr> <tr> <td>2. Neurological Disorders.</td><td> 2.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of acute neurological disorders.  2.2. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of neurodegenerative disorders. </td></tr> <tr> <th>Course Outcome 3</th><th>Learning Objectives for Course Outcome 3</th></tr> <tr> <td>3. Endocrine.</td><td> 3.1. Identify the etiology, contributing factors, signs and symptoms and complications of various endocrine disorders.  3.2. Compare Type 1 and Type 2 diabetes.  3.3. Examine the diagnostic tests used to diagnose and monitor various endocrine disorders. </td></tr> <tr> <th>Course Outcome 4</th><th>Learning Objectives for Course Outcome 4</th></tr> <tr> <td>4. Gastrointestinal.</td><td> 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. </td></tr> <tr> <th>Course Outcome 5</th><th>Learning Objectives for Course Outcome 5</th></tr> <tr> <td>5. Genitourinary.</td><td> 5.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common urinary system disorders/  5.2. Examine the diagnostic tests used to diagnose disorders of the urinary system. </td></tr> <tr> <th>Course Outcome 6</th><th>Learning Objectives for Course Outcome 6</th></tr> <tr> <td>6. Integument.</td><td> 6.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common integumentary problems.  6.2. Discuss the pathophysiology of a thermal injury (burn).  6.3. Describe the local and systemic effects and common complications of a major burn injury.  6.4. Discuss diagnostic tests used to diagnose and monitor </td></tr> </table>	Course Outcome 1	Learning Objectives for Course Outcome 1	1. Neoplasms.	1.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of cancer. 1.2. Differentiate between benign and malignant neoplasms (tumors). 1.3. Discuss tumor staging and grading.	Course Outcome 2	Learning Objectives for Course Outcome 2	2. Neurological Disorders.	2.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of acute neurological disorders. 2.2. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms of a variety of neurodegenerative disorders.	Course Outcome 3	Learning Objectives for Course Outcome 3	3. Endocrine.	3.1. Identify the etiology, contributing factors, signs and symptoms and complications of various endocrine disorders. 3.2. Compare Type 1 and Type 2 diabetes. 3.3. Examine the diagnostic tests used to diagnose and monitor various endocrine disorders.	Course Outcome 4	Learning Objectives for Course Outcome 4	4. Gastrointestinal.	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.	Course Outcome 5	Learning Objectives for Course Outcome 5	5. Genitourinary.	5.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common urinary system disorders/ 5.2. Examine the diagnostic tests used to diagnose disorders of the urinary system.	Course Outcome 6	Learning Objectives for Course Outcome 6	6. Integument.	6.1. Identify and describe the etiology, contributing factors, pathophysiology, signs and symptoms and complications of common integumentary problems. 6.2. Discuss the pathophysiology of a thermal injury (burn). 6.3. Describe the local and systemic effects and common complications of a major burn injury. 6.4. Discuss diagnostic tests used to diagnose and monitor
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		acute disorders of the skin, including burns.
	<b>Course Outcome 7</b>	<b>Learning Objectives for Course Outcome 7</b>
	7. Musculoskeletal.	7.1. Identify the etiology, contributing factors, signs and symptoms and complications of common acute and chronic musculoskeletal disorders. 7.2. Examine diagnostic tests used to diagnose and monitor musculoskeletal disorders.
	<b>Course Outcome 8</b>	<b>Learning Objectives for Course Outcome 8</b>
	8. Sensory.	8.1. Identify the contributing factors, signs and symptoms and complications of common eye & ear disorders. 8.2. Examine the diagnostic tests used to diagnose and monitor eye & ear disorders.

<b>Evaluation Process and Grading System:</b>	<b>Evaluation Type</b>	<b>Evaluation Weight</b>	<b>Course Outcome Assessed</b>
	Online Tests	15%	1-8
	Term Test 1	25%	1-2
	Term Test 2	30%	3-5
	Term Test 3	30%	6-8

<b>Date:</b>	July 9, 2018
	Please refer to the course outline addendum on the Learning Management System for further information.

