



## Pathophysiological Processes Guidelines

### PURPOSE

This project is an investigation of a health condition that you will investigate in depth. It will allow for the expansion of knowledge and the ability to generalize larger concepts to a variety of health conditions.

**COURSE OUTCOMES:** This assignment enables the student to meet the following course outcomes.

1. Explain the pathophysiologic processes of select health conditions. (PO1)
2. Predict clinical manifestations and complications of select disease processes. (PO 1, 8)
3. Correlate lifestyle, environmental, and other influences with changes in levels of wellness. (PO 1, 7)

**DUE DATE:** Refer to Course Calendar for details. The Late Assignment Policy applies to this assignment.

**TOTAL POINTS POSSIBLE: 50 POINTS**

### REQUIREMENTS:

Please select a disease process, preferably one that is not covered in this course, from any body system (i.e. the pulmonary, cardiovascular, integumentary, or hematologic system, or cancer). **Be sure to have your faculty member approve your selection (your faculty member will determine how you submit your topic for approval).** After getting approval for your selection, describe the selected disease process by addressing the topics below and in the rubric.

### PREPARING THE ASSIGNMENT:

Please include the following in your paper: body system with name of disease, etiology, risk factors, pathophysiological process, clinical manifestations and complications, and diagnostics. Remember to use proper APA style for your paper.

- 1) Select a disease process that interests you, preferably one that is not discussed in the course.
- 2) **Obtain approval of the selected disease process from the course faculty.**
- 3) Write a 2-3 page paper (excluding title and reference pages). Include the following information (also outlined in the grading rubric) about the selected disease process:
  - a. Introduction of disease
  - b. Etiology and risk factors
  - c. Pathophysiological processes
  - d. Clinical Manifestations & Complications
  - e. Diagnostics
- 4) Provide a reference list in APA format.
  - a. A minimum of two (2) scholarly, primary sources are required.
  - b. Given the nature of the research, current literature is preferred (within 5 years).

## DIRECTIONS AND ASSIGNMENT CRITERIA

Assignment Criteria	Points	%	Description
<b>Introduction of disease</b>	10	20%	Provide a brief description of the disease/disorder. This part of the paper should <u>not</u> be limited to the definition of the disease. Include epidemiology as appropriate.
<b>Etiology</b>	10	20%	Identify common causes and risk factors for the disease, to include age, gender, environmental, genetic, and lifestyle.
<b>Pathophysiological processes</b>	10	20%	Describe how the disease begins by describing the cause and mechanisms of the disease that give rise to signs and symptoms. Remember pathophysiology should be on acellular level. Include information on how the body attempts to overcome/correct the disease, if applicable.
<b>Clinical Manifestations &amp; Complications</b>	10	20%	Describe the physical signs and symptoms that are important in considering the presence of the disease.
<b>Diagnostics</b>	5	10%	Describe common laboratory and diagnostic tests used to determine the presence of the disease. Provide information on significant findings for these diagnostic studies associated with the disease.
<b>APA Style and Organization</b>	5	10%	<p>The assignment should be a 2-3 page (excluding title and reference pages) typed paper and presented in APA format. This includes an APA title, page and references with in-text citations. Spelling and grammar will be evaluated with this assignment.</p> <p>Must include at least two (2) scholarly, primary sources from the last 5 years, <b>excluding the textbook</b>.</p>
<b>Total</b>	50	100%	

## GRADING RUBRIC

Assignment Criteria	Outstanding or Highest Level of Performance <b>A (92–100%)</b>	Very Good or High Level of Performance <b>B (84–91%)</b>	Competent or Satisfactory Level of Performance <b>C (76–83%)</b>	Poor, Failing or Unsatisfactory Level of Performance <b>F (0–75%)</b>
<b>Introduction of disease (10)</b>	Provides a one-paragraph description of the disease/ disorder and is <u>not</u> limited to the definition of the disease. Includes <b>complete description</b> of the disease epidemiology.  <b>9-10 points</b>	Provides a one-paragraph description of the disease/ disorder and is <u>not</u> limited to the definition of the disease. Includes <b>general description</b> of the disease epidemiology.  <b>8 points</b>	Provides a one-paragraph description of the disease/ disorder and is <u>not</u> limited to the definition of the disease. <b>Does not include</b> epidemiology  <b>7 points</b>	Provides a description of the disease/ disorder that is <b>limited to the definition</b> of the disease. <b>Does not include</b> epidemiology  <b>0-6 points</b>
<b>Etiology (10)</b>	Identifies <b>ALL</b> of the following: common causes and risk factors for the disease including age, gender, environmental, genetic, and lifestyle.  <b>9-10 points</b>	<b>Does not identify</b> <b>ONE</b> of the following: common causes and risk factors for the disease including age, gender, environmental, genetic, and lifestyle.  <b>8 points</b>	<b>Does not identify</b> <b>TWO</b> of the following: common causes and risk factors for the disease including age, gender, environmental, genetic, and lifestyle.  <b>7 points</b>	<b>Does not identify</b> <b>3 or more</b> of the following: common causes and risk factors for the disease including age, gender, environmental, genetic, and lifestyle.  <b>0-6 points</b>
<b>Pathophysiological processes (10)</b>	<b>Comprehensively</b> describes the cause(s) of the disease and the disease mechanisms that give rise to signs and symptoms.  <b>Comprehensively</b> describes processes at the cellular level and information related the body's attempts to overcome the disease.  <b>9-10 points</b>	<b>Comprehensively</b> describes the cause(s) of the disease and the disease mechanisms that give rise to signs and symptoms.  <b>Broadly</b> describes processes at the cellular level and information related the body's attempts to overcome the disease.  <b>8 points</b>	<b>Broadly</b> describes the cause(s) of the disease and the disease mechanisms that give rise to signs and symptoms.  <b>Broadly</b> describes processes at the cellular level and information related the body's attempts to overcome the disease.  <b>7 points</b>	<b>Poorly/Minimally</b> describes the cause(s) of the disease and the disease mechanisms that give rise to signs and symptoms.  Description <b>does not include</b> processes at the cellular level <b>and</b> information related the body's attempts to overcome the disease.  <b>0-6 points</b>

<b>Clinical Manifestations &amp; Complications (10)</b>	<p><b>Comprehensively</b> describes the physical signs and symptoms that are important in considering the presence of the disease.</p> <p><b>Comprehensively</b> describes significant and common complications associated with the disease if left untreated.</p> <p><b>9-10 points</b></p>	<p><b>Comprehensively</b> describes the physical signs and symptoms that are important in considering the presence of the disease.</p> <p><b>Broadly</b> describes significant and common complications associated with the disease if left untreated.</p> <p><b>8 points</b></p>	<p><b>Broadly</b> describes the physical signs and symptoms that are important in considering the presence of the disease.</p> <p><b>Broadly</b> describes significant and common complications associated with the disease if left untreated.</p> <p><b>7 points</b></p>	<p><b>Poorly/Minimally</b> describes the physical signs and symptoms that are important in considering the presence of the disease.</p> <p><b>Poorly/Minimally</b> describes significant and common complications associated with the disease if left untreated.</p> <p><b>0-6 points</b></p>
<b>Diagnostics (5)</b>	<p><b>Comprehensively</b> describes common laboratory and diagnostic tests used to determine the presence of the disease.</p> <p><b>Comprehensively</b> describes information on significant findings for these diagnostic studies associated with the disease.</p> <p><b>5 points</b></p>	<p>Describes <b>most of the</b> common laboratory and diagnostic tests used to determine the presence of the disease.</p> <p><b>Comprehensively</b> describes information on significant findings for these identified diagnostic studies associated with the disease.</p> <p><b>4 points</b></p>	<p>Describes <b>most of the</b> common laboratory and diagnostic tests used to determine the presence of the disease.</p> <p><b>Broadly</b> describes information on significant findings for these identified diagnostic studies associated with the disease.</p> <p><b>3 points</b></p>	<p><b>Poorly/Minimally</b> describes common laboratory and diagnostic tests used to determine the presence of the disease.</p> <p><b>Poorly/Minimally</b> describes information on significant findings for these diagnostic studies associated with the disease.</p> <p><b>0-2 points</b></p>
<b>APA Style and Organization (5)</b>	<ul style="list-style-type: none"> <li>References are submitted with assignment.</li> <li>Used appropriate APA format (6th ed.) and <b>are free of errors</b>.</li> <li>Grammar and mechanics <b>are free of errors</b>.</li> <li>Paper is 2-3 pages, excluding title and reference pages</li> <li>At least two (2) scholarly, primary sources from the last 5 years, excluding the textbook, are provided</li> </ul> <p><b>5 points</b></p>	<ul style="list-style-type: none"> <li>References are submitted with assignment.</li> <li>Used appropriate APA format (6th ed.), but <b>has one type of error</b>.</li> <li>Grammar and mechanics <b>have one type of error</b></li> <li>Paper is 2-3 pages, excluding title and reference pages</li> <li>At least two (2) scholarly, primary sources from the last 5 years, excluding the textbook, are provided</li> </ul> <p><b>4 points</b></p>	<ul style="list-style-type: none"> <li>References are submitted with assignment.</li> <li>Used appropriate APA format (6th ed.), but <b>have two types of errors</b>.</li> <li>Grammar and mechanics <b>have two types of errors</b>.</li> <li>Paper is 2-3 pages, excluding title and reference pages</li> <li>One (1) scholarly, primary source from the last 5 years, excluding the textbook, is provided</li> </ul> <p><b>3 points</b></p>	<ul style="list-style-type: none"> <li><b>No references</b> submitted with assignment.</li> <li>Attempts made to use APA format, but have <b>three or more types of errors</b>.</li> <li>Grammar and mechanics have <b>three or more types of errors</b>.</li> <li>Paper is not 2-3 pages, excluding title and reference pages</li> <li>No scholarly, primary sources from the last 5 years, excluding the textbook, are provided</li> </ul> <p><b>0-2 points</b></p>

Total Points Possible = 50 points