COURSE TITLE: Pathophysiology  COURSE NUMBER: NUR303
TERM: XXXX
PREREQUISITES: All Pre-nursing courses
INSTRUCTOR: TBA
OFFICE: XXX
OFFICE HRS: XXX
MEETING TIME: (XXX)
LOCATION: NELSON XXX

COURSE DESCRIPTION:
This course focuses on the pathophysiology of common disease conditions affecting human beings across the lifespan. Content builds on basic anatomy and physiology, microbiology, and chemistry content obtained from earlier courses. The pathophysiologic bases of common human health alterations and associated clinical manifestations are discussed.

REQUIRED TEXT/MATERIALS:

1. PROGRAM STUDENT LEARNING OUTCOMES:

The nursing program student learning objectives (NURSLO) are:

1. **Caring** – Students will demonstrate caring attitudes and behaviors as they carry out the work of professional nursing with the understanding of human development, the goal of preserving dignity, and aspirations of promoting health and wellness for individuals, patients, and themselves.

2. **Knowledge** – Students will apply knowledge synthesized from nursing science to evidence-based nursing care delivery.

3. **Effective thinking** – Our students will use a variety of thinking methods such as, critical thinking, conceptual thinking, implementation thinking, and innovative thinking, to make decisions, solve problems, evaluate information, create new processes, and plan strategies.

4. **Communication** – Students will demonstrate effective communication skills in therapeutic interactions, inter-professional information sharing, and scholarly dissemination.

5. **Technological Aptitude** – Students will competently use technology to access information necessary for identifying trends used in decision making, promoting quality improvement, and preserving safety, to provide patient care, collaborate with inter-professional teams, and to continuously advance the nursing profession.
6. **Lifelong learning** – Students will continue to advance their education to maintain knowledge and nursing skills necessary to provide quality patient care by engaging into systematic inquiry, investigation, and new knowledge generation.

7. **Cultural Competence** - Students will demonstrate willingness to learn about other cultures and use the information to collaborate with patients to provide nursing care that meets individuals’ cultural and religious needs.

8. **Leadership** – Students will apply knowledge of leadership theory and demonstrate leadership behaviors that complement particular situations.

9. **Ethics** – Students will apply ethical standards of nursing in all situations with respect for the law, the profession, patients, and themselves.

**COURSE STUDENT LEARNING OUTCOMES: (NURSLO 1, 2, 3, 6)**

Upon completion of the course, the student will be able to:

1. Describe abnormal physiologic processes associated with common disease processes.
2. Differentiate normal and abnormal physiological findings and manifestations.
3. Describe common physiologic stressors and human adaptive and maladaptive responses.
4. Explain age-related differences in physiologic and pathophysiologic processes and their clinical manifestations.

**CORE CURRICULUM STUDENT LEARNING OUTCOMES:**

1. Core SLO 1: Listen and effectively, communicate ideas through written, spoken and visual means. (communication)
2. Core SLO 2: Think critically via classifying, analyzing, comparing, contrasting, hypothesizing, synthesizing, extrapolating and evaluating ideas. (Critical thinking)
3. Core SLO 3: Apply information literacy/research skills to assist their systematic process of critical thought; articulating the problem; gather information from multiple sources and venues; evaluating the accuracy/thoroughness/timeliness of the collected data, and determining when/if the problem has been satisfactorily resolved. (Information Literacy/Research)
4. Core SLO 4: Compare and contrast self and others and explain their interdependence in terms of historical, social, political, economic, psychological, health, and ethical factors.

**ASSESSMENT MEASURES (TOOLS) DIRECT AND INDIRECT for each SLO:** (NURSLO 1, 2, 3, 6)

**DIDACTIC EVALUATION**

Examinations
Case studies
Quizzes
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<th>WEEK</th>
<th>CONTENT/READINGS</th>
<th>Teaching Strategies/Assignments</th>
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<td>1</td>
<td>Cell Mechanisms of Self-Defense Stress</td>
<td>TBA</td>
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<td>2</td>
<td>Alterations in Genetics Cancer</td>
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<td>3</td>
<td>Alterations in the Hematologic System</td>
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<td>4</td>
<td>Alterations in the Pulmonary System</td>
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<td>5</td>
<td>Alterations in the Cardiovascular System</td>
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<td>6</td>
<td>Alterations in the Cardiovascular System Review</td>
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<td>Mid-term Examination</td>
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<td>8</td>
<td>Alterations in the Renal System</td>
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<td>Alterations in Fluids/Electrolytes &amp; Acid Base</td>
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<td>Alterations in the Endocrine system</td>
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<td>Alterations in the Digestive system</td>
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<td>Review</td>
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**Electronic Communication:** Students are required to use Lincoln University email and Desire2 Learn to access class materials. Please communicate with course faculty via e-mail frequently. Please permit 48 hours for a response to emails.

**CALCULATION OF FINAL GRADES:**

- 100-94 = A
- 90-93 = A-
- 86-89 = B+
- 83-85 = B
- 80-82 = B-
- 76-79 = C+
- 75-77 = C
- 70-74 = C-
- 65-69 = D+
- 58-64 = D
- Below 58 = F