

Course Competency

NUR 3125 Pathophysiology in Nursing Practice

Course Description

This course builds upon prior knowledge in assessment, management of patients with commonly occurring diseases, and evaluation patient outcomes. The course will integrate the principles and rationales of pathophysiology at the cellular and systemic level using the nursing process. It will provide an in-depth theoretical and clinical principles of diseases encountered in healthcare settings. Health disparities resulting from social determinants of health, genetics, and stress related causes will also be explored.

| Course Competency | Learning Outcomes |
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| <p>Competency 1: Upon successful completion of this course, the student will be able to demonstrate knowledge of pathophysiologic processes and corresponding interventions in nursing practice</p> | <ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Computer / Technology Usage |
| <ol style="list-style-type: none"> 1. Integrate principles of normal anatomy and physiology on human body systems at the cellular level to explain alterations produced by disease processes. (i.1b) (QSEN, PCT) (ANA,1) 2. Utilize principles of normal anatomy and physiology on human body system to explain the pathogenesis for selected conditions, diseases, and health alterations. (i.2a) (QSEN, PCT) (ANA, 2, 3) 3. Identify the interrelationship between the pathophysiology and common clinical manifestations of disease process. (2.3c) (QSEN, EBP) (ANA, 3) 4. Differentiate between normal and pathophysiologic function of human body systems. (2.3e) (QSEN, EBP) (ANA, 3) 5. Analyze the evidence of pathologic deviations on patient outcomes. (2.4c) (QSEN, EBP) (ANA,4) | |
| <p>Competency 2: Upon successful completion of this course, the student will be able to analyze the relationship between selected disease and its</p> | <ol style="list-style-type: none"> 1. Critical thinking |

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| <p>etiology related to patient outcomes.</p> | <ol style="list-style-type: none"> 2. Cultural / Global Perspective 3. Computer / Technology Usage |
| <ol style="list-style-type: none"> 1. Describe the relationship and influence of genetics and genomics contributing to disease etiologies and predisposing factors. (AACN 3.1) (QSEN, PCT) (ANA, 13, 14) 2. Investigate the association between lifestyle and environmental factors contribution to health deviations. (AACN 2.5e) (QSEN, PCT) (ANA, 13) 3. Analyze the effect of ethnic and age variations on the body physiological response to disease. (AACN 2.5g) (QSEN, PCT) (ANA, 8) 4. Examine the impact of social determinants of health on morbidity and mortality of disadvantage populations. (AACN 2.9a) (QSEN, PCT) (ANA,7, 8, 9) | |
| <p>Competency 3: Upon successful completion of this course, the student will be able to evaluate physical presentations, clinical manifestations of selected illnesses and diseases using evidence-based practice model</p> | <ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Computer / Technology Usage |
| <ol style="list-style-type: none"> 1. Utilize advanced health assessment findings to evaluate alterations in selected diseases or conditions. (AACN 2.3a, 2.3b) (QSEN, PCT) (ANA, 1) 2. Connect the physiological basis for signs, symptoms, and diagnostic test results for selected diseases, conditions, and health alterations. (AACN 2.3c) (QSEN, EBP) (ANA, 2) 3. Explain the rationale for diagnostic tests, laboratory values in specific diseases. (AACN 2.3d) (QSEN, EBP) (ANA, 2) 4. Compare research findings to evaluate various pathologies or selected diseases and clinical presentations. (AACN 2.3e) (QSEN, EBP) (ANA, 6, 13) 5. Evaluate data related to clinical | |

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| <p>presentations of selected acute and chronic diseases. (AACN 1.3a, 1.3c) (QSEN, EBP) (ANA, 6, 13)</p> | |
| <p>Competency 4: Upon successful completion of this course, the student will be to work in teams effectively to create care plans using empathy, collaboration, and cultural humility when providing nursing care for patients experiencing acute and chronic illnesses or diseases</p> | <ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy 4. Cultural / Global Perspective 5. Social Responsibility 6. Ethical Issues 7. Computer / Technology Usage |
| <ol style="list-style-type: none"> 1. Investigate the impact and benefits of interprofessional collaboration using effective communication (oral, written, and electronic) to facilitate information sharing for positive patient outcomes. (AACN 5.1a) (QSEN, TWC) (ANA, 9, 10) 2. Analyze the various roles and how they will positively or negatively influence patient's health, wellness, and outcomes. (AACN 5.2b) (QSEN, S), (ANA, 14) 3. Apply concepts of health promotion, disease prevention, and risk reduction (AACN 2.4b, 2.4c, 2.4d, 2.4e) (QSEN, S) (ANA, 5b) 4. Demonstrate empathy and cultural humility when developing the plan of care. (AACN 2.1a, 2.1c, 2.2a) (QSEN, PCT) (ANA, 8, 14) 5. Synthesize information to develop a care plan using the pathophysiology concepts of etiology, clinical presentation, prognosis, and treatment. (AACN 2.4a, 2.4e, 2.5b, 2.5c) (QSEN, QI) (ANA, 13, 15, 16) | |

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