

Minnesota State University Moorhead

NURS 362: Applied Pathophysiology for Nursing II

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires all three of these prerequisites

NURS 280 - Chronic & Palliative Care

NURS 282 - Pharmacology & the Role of the Professional Nurse

NURS 285 - Applied Pathophysiology for Nursing I

Corequisites: None

MnTC Goals: None

This course will facilitate ongoing critical thinking and analysis of pathophysiological concepts. Emphasis will be on interpretation and prioritization of data resulting from environmental, genetic, and stress-related maladaptations. This course complements the selected topics addressed in Acute & Complex Care to provide a comprehensive understanding of disease processes.

B. COURSE EFFECTIVE DATES: 01/08/2020 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Healthcare Delivery
 - i. Evidence-based Practice
2. Physiological Homeostasis & Regulation
 - i. Fluid & Electrolyte Balance
 - ii. Acid-Base Balance
 - iii. Thermoregulation
 - iv. Cellular Regulation
 - v. Intracranial Regulation
 - vi. Metabolism
 - vii. Elimination
 - viii. Sexuality & Reproduction
 - ix. Oxygenation
 - x. Perfusion
3. Protection and Movement
 - i. Immunity
 - ii. Inflammation
 - iii. Infection
 - iv. Tissue Integrity
 - v. Sensory Perception
 - vi. Comfort
 - vii. Mobility
4. Behavioral Resilience
 - i. Coping, Stress & Adaptation
 - ii. Vulnerability
5. Determinants of Health
 - i. Genetics
 - ii. Culture
 - iii. Individual Behavior
 - iv. Social & Economic Factors

D. LEARNING OUTCOMES (General)

1. Utilizes theories and concepts from the sciences to expand understanding of the human pathophysiological experience.
2. Incorporate theory and research utilizing and prioritizing data from multiple relevant sources.
3. Explain the common mechanisms of acute/complex disease progression in the human body.
4. Analyze protective and predictive factors including genetics which influence the health of clients.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted