Course Description

PAS3019 | Pathophysiological Basis of Disease III | 2.00 Credits

This course establishes scientific core knowledge and bridges the basic medical sciences with clinical medicine. The course covers the pathophysiology of human diseases that appear as a result of structural and functional alterations of the human body systems. The course begins with the study of human anatomy and physiology pertinent to the pathological conditions presented and progresses to the pathophysiological topics needed by physician assistant students. The course will enhance decision-making ability when working as a PA in clinical practice. Prerequisite: PAS 1821, 1824, 3038C, 3075.

Course Competencies:

Competency 1: The student will be able to demonstrate understanding and reasonably discuss the abnormal physiology systemically and apply this knowledge to patient cases
utilizing simulation by:

1. Applying critical thinking skills to each patient scenario
2. Appropriately comparing and contrasting signs and symptoms and correlating them with the underlying pathophysiology
3. Participating in in-class presentations and discussions of patient cases

Competency 2: The student will be able to prepare for clinical practice by applying all knowledge and skills learned regarding the mechanism of disease and how it applies to a live patient by:

1. Performing a simulated history and physical exam and then correlating the findings with the underlying pathophysiological mechanisms
2. Integrating differential diagnosis with each patient case and correctly describing the pathophysiology of each diagnosis
3. Establishing a list of laboratory and imaging studies for each case and explaining the "why" for each modality.

Competency 3: The student will prepare for clinical practice, utilize professionalism principles in the classroom during simulation, group activities, and
patient case presentation by:

1. Addressing each colleague with respect
2. Utilizing ethical principles in the management of each patient case
3. Working within an interprofessional team environment

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information