PAS1813 Pathophysiological Basis of Disease I

**Course Description:**
The clinical pathophysiology course serves as a transition from the basic medical sciences to clinical medicine. Students will learn the study of disease, both congenital and acquired with an emphasis on providing understanding of pathologic physiology in conjunction with information regarding medical history and laboratory data to solve case based clinical problems. Students are taught how pathophysiology translates into patient signs, symptoms. Prerequisites: PAS1800C, 2936. (2 hr. clinical)
Prerequisite: PAS2936, PAS1800C

<table>
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<tr>
<th>Course Competency</th>
<th>Learning Outcomes</th>
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| **Competency 1:** The student will demonstrate understanding and reasonably discuss the normal human anatomy and physiology of the integumentary, HEENT, Cardiac, Pulmonary, and Hematologic systems by: | 1. Communication  
3. Critical thinking  
5. Cultural / Global Perspective  
7. Ethical Issues |
| 1. Describing the functions and organs of each system  
2. Describing the normal anatomic and physiologic mechanisms  
3. Discussing the arterial and venous supply related to each system  
4. Correlating the signs and symptoms with pathologies within each system | |
| **Competency 2:** The student will apply elements of anatomy and physiology to explain the pathophysiology of conditions within the integumentary, HEENT, Cardiac, Pulmonary, and Hematologic systems by: | 1. Communication  
3. Critical thinking  
5. Cultural / Global Perspective  
7. Ethical Issues |
| 1. Describing risk factors for each pathology within each system  
2. Comparing and contrasting clinical features of disease processes within each system  
3. Comparing and contrasting laboratory findings of acute and chronic conditions within each system | |