COURSE INFORMATION

Course Description:
Develops a foundation for the study of diseases by examining normal physiology followed by the pathophysiology of selected organ systems. Examines pathological clinical cases to illustrate these conditions. Areas of study parallel the body systems being studied in anatomy and pharmacology: neurologic and endocrine, behavioral health, infectious disease, hematologic/oncologic and dermatologic and genetics.

Credits: 4
Prerequisites: Enrollment in the Physician Assistant Master’s Program
Day and Time:
Location:

INSTRUCTOR INFORMATION

Instructor:
Office:
Phone:
Fax:
Email:
Office Hours:

REQUIRED MATERIALS


COURSE OUTCOMES

At the end of this course, students will be able to:

1. Identify the components of the neurologic and endocrine, behavioral health, infectious disease, hematologic/oncologic, dermatologic and genetic systems.
2. Explain the physiology of the neurologic and endocrine, behavioral health, infectious disease, hematologic/oncologic, dermatologic, and genetic systems and apply this knowledge to the recognition and explanation of the pathophysiology of selected abnormalities of these systems which results in disease states.
3. Apply physiologic and pathologic knowledge to the tools utilized in diagnosis and treatment of disease states of the neurologic and endocrine, neuropsychiatric, infectious disease, hematologic/oncologic, dermatologic, and genetic systems.

COURSE CONTENT

1. Normal physiology of neurologic, endocrine, behavioral health, infectious disease, hematology/oncology and dermatology organ systems
2. Pathophysiology of diseases important to the neurologic, endocrine, behavioral health, infectious disease, hematology/oncology and dermatology systems.
3. Mechanisms that underlie disease processes and diagnostics tests will be included where appropriate.

COURSE OUTLINE—assignments/dates/schedule here

Unit #1: Neurology and Endocrine physiology and pathophysiology
   Assigned readings/case studies:
   Unit test:

Unit #2: Behavioral health physiology and pathophysiology
   Assigned readings/case studies:
   Unit test:
Unit #3: Infectious disease physiology and pathophysiology
    Assigned readings/case studies:
    Unit test:

Unit #4: Hematology/oncology physiology and pathophysiology
    Assigned readings/case studies:
    Unit test:

Unit #5: Dermatology physiology and pathophysiology
    Assigned readings/case studies
    Unit test:

Unit #6: Genetics physiology and pathophysiology
    Assigned readings/case studies
    Unit test:

COURSE ASSESSMENTS

Evaluation Criteria:
90% Unit tests on each organ system (1,2,3)
    15% Neuroendocrine (Outcome 1, 2, 3)
    15% Neuropsychiatric (Outcome 1,2,3)
    15% Infectious Disease (Outcome 1,2,3)
    15% Hematologic/Oncologic (Outcome 1,2,3)
    15% Dermatology (Outcome 1,2,3)
    15% Genetic (Outcome 1,2,3)
10% Final Exam--comprehensive (outcomes 1,2,3)

Curriculum Standards
B1.02 The curriculum must include core knowledge about established and evolving biomedical and clinical sciences and the application of this knowledge to patient care. (Outcomes 1, 2, 3)  
B2.02 The program must include instruction in the following areas of applied medical science and their application to clinical practice: physiology, pathophysiology. (Outcomes 1, 2, 3)  
B2.03 The program curriculum must include instruction in clinical medicine covering all organ systems. (Outcomes 1, 2, 3)  
B2.05 The program curriculum must include instruction in patient evaluation, diagnosis and management. (Outcome 3)  
B2.06 The program curriculum must include instruction in the provision of clinical medical care across the life span. (Outcome 1, 2, 3)  
B2.07 The program curriculum must include instruction in technical skills and procedures based on current professional practice. (Outcome 3)  
B2.08 The program curriculum must include instruction in the social and behavioral sciences as well as normal and abnormal development across the life span. (Outcome 1, 2, 3)  
B2.09 The program curriculum must include instruction in basic counseling and patient education skills.

Physician Assistant Competencies
Medical Knowledge
Physician assistants are expected to understand, evaluate, and apply the following to clinical scenarios: evidence-based medicine; scientific principles related to patient care; etiologies, risk factors, underlying pathologic process, and epidemiology for medical conditions; signs and symptoms of medical and surgical conditions; appropriate diagnostic studies; management of general medical and surgical conditions to include pharmacologic and other treatment modalities interventions for prevention of disease and health promotion/maintenance; screening methods to detect conditions in an asymptomatic individual; history and physical findings and diagnostic studies to formulate differential diagnoses. (Outcomes 1, 2, 3)

**GRADING**

Students are graded according to the following grade scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 – 100%</td>
<td>A</td>
<td>A = Exceptional Work</td>
</tr>
<tr>
<td>93 – 95%</td>
<td>A-</td>
<td>B = Acceptable Work</td>
</tr>
<tr>
<td>90 – 92%</td>
<td>B+</td>
<td>C = Minimally Acceptable Work</td>
</tr>
<tr>
<td>85 – 89%</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>82 – 84%</td>
<td>B-</td>
<td></td>
</tr>
<tr>
<td>78 – 81%</td>
<td>C+</td>
<td></td>
</tr>
<tr>
<td>73 – 77%</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Below 73%</td>
<td>F</td>
<td></td>
</tr>
</tbody>
</table>

Please see the policy regarding Academic Probation in found in the Physician Assistant Student Handbook.  *Link here*

**COURSE POLICIES**

Students are expected to follow all requirements in student handbook.  *Link here*

**Late and Make-Up Work:**

Late assignments will not be accepted without prior arrangements between the faculty and the student. It is the student's responsibility to initiate such an arrangement, including an expected completion date for the assignment. Assignment extensions will be considered on a case-by-case basis.

**Incompletes:**

Please refer to the Physician Assistant Student Handbook for the Incomplete Policy.  *Link here*

**Course Evaluation:**

Faculty strive for excellence in preparing and providing courses that will accomplish the mission of the PA program and it is crucial that we receive feedback from students. Graduate course evaluations are now completed online. You will be notified by e-mail when course evaluations
are available and you are encouraged to complete and submit them prior to the end of the semester.

Equal Access Statement:

Students with disabilities, students who sustained injury in active military service, and students with chronic medical conditions are entitled to appropriate and reasonable auxiliary aids and accommodations through The Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. It is the student's responsibility to notify the Center for Equal Access as soon as possible to ensure that such accommodations are implemented in a timely fashion. For more information or to request academic accommodations, please contact the Center for Equal Access in Tower Hall 2126; by phone at (218) 723-6747, 218-625-4891; or via e-mail at access@css.edu

Academic Honesty Policy:

Academic honesty and integrity are highly valued in our campus community. Academic honesty directly concerns ethical behaviors which affect both the academic environment and the civic community. Academic dishonesty seriously violates the integrity of the academic enterprise and will not be tolerated at St. Scholastica. The full text of the CSS Academic Honesty Policy is found in the Student Handbook or online at http://www.css.edu/Academics/Office-of-Academic-Affairs/Academic-Honesty-Policy.html.