Nursing Pathophysiology  
RNSG 1211- 23001  
Brookhaven College  
Dallas County Community College District  
Spring 2013

Instructor: Rebecca Personett PhD, RN, NEA-BC

Contact information:  
Office location: X-1100  
Office phone: 972-860-4575

Office Hours: Posted on office door by appointment

Class days/hours: All class times are 9:00 am to 11:00 am

Course Description:  
This course presents the basic principles of pathophysiology emphasizing nursing applications. Topics include principles of homeostasis related to body systems.

Prerequisites: Anatomy and Physiology I, BIOL 2401, or Human Anatomy and Physiology I, SCIT 1407  
Co-requisites: None

Learning Outcomes:  
The student will apply knowledge of biological and social sciences to define and explore elements of pathophysiology and use critical thinking to examine alterations in normal body function that lead to disease and discomfort.

Course Objectives:  
1. Discuss normal physiologic functions, which maintain dynamic equilibrium of the human body. (Provider of Care)

2. Discuss selected concepts of disordered function or form which leads to health disruptions and discomfort in the human organism’s relationship with the environment. (Provider of Care)

3. Discuss concepts of positive and negative feedback as related to human functioning. (Provider of Care)

4. Describe compensation within the human body. (Provider of Care)
5. Describe pathophysiology, tests, and treatments amenable to nursing care for common types of cancer. (Provider of Care)

6. Describe the causes, pathophysiology, diagnostic tests, and treatments amenable to nursing care for several common infectious diseases. (Provider of Care)

7. Describe the pathophysiology, signs and symptoms, diagnostic tests, and treatments amenable to nursing care for various immune disorders. (Provider of Care)

8. Describe the pathophysiology, signs and symptoms, diagnostic tests, and treatments amenable to nursing care for several endocrine disorders. (Provider of Care)

9. Describe the pathophysiology, diagnostic tests, and treatments amenable to nursing care for several respiratory diseases. (Provider of Care)

10. Describe the causes, pathophysiology, diagnostic tests, and treatments amenable to nursing care for several common cardiovascular disorders. (Provider of Care)

11. Describe the causes, pathophysiology, diagnostic tests, and treatments amenable to nursing care for several common neurologic disorders. (Provider of Care)

12. Describe the pathophysiology, signs and symptoms, diagnostic tests, and treatments amenable to nursing care for common blood disorders. (Provider of Care)

13. Describe the pathophysiology, signs and symptoms, diagnostic tests, and treatments amenable to nursing care for common digestive disorders. (Provider of Care)

14. Describe the pathophysiology, signs and symptoms, diagnostic tests, and treatments amenable to nursing care for several common renal system disorders. (Provider of Care)

15. Describe the pathophysiology, diagnostic tests, and treatments amenable to nursing care for certain musculoskeletal disorders. (Provider of Care)
Brookhaven College SCANS* Statement  
*Secretaries’ Commission on Achieving Necessary Skills

What Are SCANS Skills?
These are the skills that employers need the most from their workers. SCANS skills are the predictors of success in the workplace.

Who Defined These Skills?
In 1989, the U.S. Department of Labor and Education jointly surveyed U.S. employers to find out the most important skills and competencies needed by workers. The results of that survey identified SCANS (Secretary’s Commission on Achieving Necessary Skills)

Brookhaven College Students and SCANS
Brookhaven College is committed to the preparation of our students for success in the workplace.

At Brookhaven College courses provide learning outcomes which result in the mastery of SCANS skills. Although each course will not include every SCANS skill, each course syllabus will identify the specific SCANS skills and competencies taught in that course. Throughout a formal program of study (certificate, degree or transfer program) a student will have the opportunity to master all SCANS competencies.

<table>
<thead>
<tr>
<th>SCANS WORKPLACE COMPETENCIES</th>
<th>1a. MANAGING RESOURCES</th>
<th>1b. INTERPERSONAL SKILLS</th>
<th>1c. INFORMATION SKILLS</th>
<th>1d. SYSTEMS KNOWLEDGE</th>
<th>1e. USING TECHNOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Manage time</td>
<td>(1) Work on teams</td>
<td>(1) Acquire/evaluate data</td>
<td>(1) Work in social systems</td>
<td>(1) Select equipment/tools</td>
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<tr>
<td>(2) Manage money</td>
<td>(2) Teach others</td>
<td>(2) Organize and maintain data</td>
<td>(2) Work in technological systems</td>
<td>(2) Apply technology to tasks</td>
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<tr>
<td>(3) Manage materials</td>
<td>(3) Serve customers</td>
<td>(3) Interpret and communicate data</td>
<td>(3) Monitor/correct systems</td>
<td>(3) Maintain/troubleshoot technologies</td>
<td></td>
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<tr>
<td>(4) Manage space</td>
<td>(4) Lead others</td>
<td>(4) Process data with computer</td>
<td>(4) Design/improve systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
(5) Manage human resource
(5) Negotiate conflict
(6) Work with diversity

SCANS FOUNDATION SKILLS

<table>
<thead>
<tr>
<th>2a. Basic Skills</th>
<th>2b. Thinking Skills</th>
<th>2c. Personal Qualities</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Reading</td>
<td>(1) Creative thinking</td>
<td>(1) Responsibility</td>
</tr>
<tr>
<td>(2) Writing</td>
<td>(2) Decision making</td>
<td>(2) Self-esteem</td>
</tr>
<tr>
<td>(3) Arithmetic/Mathematics</td>
<td>(3) Problem solving</td>
<td>(3) Sociability</td>
</tr>
<tr>
<td>(4) Speaking</td>
<td>(4) Seeing things in the mind’s eye</td>
<td>(4) Self-management</td>
</tr>
<tr>
<td>(5) Listening</td>
<td>(5) Reasoning</td>
<td>(5) Integrity</td>
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<tr>
<td>(6) Knowing how to learn</td>
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DROP POLICY
Section 51.907 of the Texas Education Code applies to students who enroll in a Texas public institution of higher education for the first time in fall 2007 or later. Based on this law, DCCCD or any other Texas Public institution of higher education may not permit a student to drop more than six courses during their entire undergraduate career. All courses dropped after the official drop and add period for the course are included in the six-course limit, including courses dropped at another Texas public institution of higher education, unless it qualifies as an exception. Contact your college’s counseling/advising office for further details related to exceptions.

Teaching/Learning Activities:
Lecture
Group Discussion (classroom)
Audio-visual Aids (powerpoints)  Critical Thinking Exercises (workbook)

Required Textbook:
Text workbook is available for Critical Thinking Exercises

Classroom Expectations:
Students are expected to attend all classes in order to meet course objectives. Attendance will be monitored by the instructor. Drop action can be taken by the instructor if a student is absent more than 10 percent of total class hours. If it is necessary to miss class, the student retains the responsibility for all content discussed. **Tape recorders are not permitted in the classroom and this request must be honored. Lap top computers and the use of cell phones, for calls or texting, will be prohibited in class.** Any student found to be texting or using a cell phone for any reason will be asked to leave the classroom.
Please notify the instructor in advance of religious observances that may interfere with class attendance or examinations. Any appeal will be handled by the Associate Dean for Nursing.

Lecture content has been carefully scheduled and constructed. Please make every effort to be present and on time to class in order not to disrupt the learning of other students. It is not appropriate to leave repeatedly during class, eat noisily or bring children to class. Both subject matter and form of lecture delivery may be of a sensitive nature. Confidentiality is also of key importance and must absolutely be honored.

Reading the assigned chapters is an important part of this course and is directly related to the student’s success. The content and behavioral objectives are outlined for each lecture. It is the student’s responsibility to keep up with the readings and to notify the instructor of any difficulty with associating the readings to the content or objectives.

Disruptive behavior in the classroom is defined as behavior which interrupts, obstructs, or inhibits the teaching/learning process. The faculty member determines what is disruptive and has a duty to terminate it. The faculty person shall give at least one verbal warning to a student to cease in-class disruptive behavior. In cases of abusive behavior, this requirement may be waived. In addition, if the in-class disruption does not cease, an attempt shall be made to resolve the problem in a conference between the faculty member and the student. If disruption occurs after these two measures are taken the instructor may file a complaint with the office of Vice President for Student Affairs to initiate campus disciplinary action. In cases where a student exhibits abusive behavior, is physically abusive, or threatens physical abuse, a verbal warning from the faculty person is not necessary. Examples might include directed profanity, physical disruption of the classroom, or threatening behavior.

**Methods of Evaluation:**

A letter grade will be obtained from the cumulative grades received on all exams, unit assignments, and class presentation. No rounding of grades will occur during the semester, only the final course grade will be rounded. Every exam must be taken and no exam grade can be dropped. The actual rounded number for the final course grade is applied to the scale below to determine a letter grade.

- A = 100 - 90
- B = 89 - 81
- C = 80 - 76
- D = 75 - 65
- F = 64 - 0

The course grade will be determined based on the following:
Exam I 25%
Exam II 25%
Exam III 25%
Exam IV 25%

In compliance with the Family Educational Rights and Privacy Act of 1974, the following procedure will be implemented: No grade will be given over the telephone to a student or any other person under any circumstances. Grades will be available via e-campus or in person during class.

Exams:
Unit Exams are to be taken in the Testing Center during posted dates and times. **Exams must be taken at the posted time. There will be no make up exams or late exams. There are no additional bonus points offered.**

Academic Honesty:
Academic honesty is highly valued at Brookhaven College. You must always submit work that represents your original words or ideas. If any words or ideas used in an assignment do not represent your original words or ideas, you must cite all relevant sources and make clear the extent to which such sources were used. Words or ideas that require citation include, but are not limited to, all hard copy or electronic publications, whether copyrighted or not, and all verbal or visual communication when the content of such communication clearly originates from an identifiable source.

Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the Dallas County Community Colleges Code of Student Conduct published in the Dallas County Community Colleges Catalog. https://www1.dcccd.edu/cat0506/ss/code.cfm

Drop/Withdrawal Policy: Check the academic calendar for the last date to withdraw from the course with a grade of "W". If a student is unable to complete a course or courses, it is the responsibility of the student to withdraw formally from the course. Failure to withdraw will result in a performance grade, usually a grade of "F".

Grievance Procedures:
Students are expected to follow established procedures of the appropriate division in handling academic issues, such as grade appeals. Students, who wish to appeal a grade, should follow the following guidelines:
   1. Speak with your instructor. Ask why you received the grade you did.
   2. If that is unproductive, speak with the Associate Dean of Nursing.
   3. If that is unsuccessful, file an appeal with the Executive Dean of Health and Human Services.
4. If still dissatisfied, student may request an appointment with the Vice President of Instruction.

Additional grievance procedures and the Student Code of Conduct are outlined in the Brookhaven College Catalog, available in hard copy in advisement or on the web at www.brookhavencollege.edu.

Disability Accommodations:

Any student who may need accommodations due to a disability should make an appointment with the instructor and contact Special Services at 972-860-4129.

Right to Change Syllabus Information Statement:

All information contained in the syllabus is for informational purposes only and is subject to change at any time.
# TENTATIVE SCHEDULE, subject to revision

<table>
<thead>
<tr>
<th>Date</th>
<th>Class</th>
<th>Topic</th>
<th>Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/24/13</td>
<td>1</td>
<td>Intro, Inflammation</td>
<td>1, 2</td>
</tr>
<tr>
<td>1/31/13</td>
<td>2</td>
<td>Immunity, Neoplasms, Infection</td>
<td>3, 4, 5</td>
</tr>
<tr>
<td>2/7/13</td>
<td>3</td>
<td>Fluid, Electrolytes, Acid-base</td>
<td>6</td>
</tr>
<tr>
<td>2/11-2/12</td>
<td>EXAM</td>
<td>Test 1 in the Testing Center</td>
<td>1-6</td>
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<tr>
<td>2/14/13</td>
<td>4</td>
<td>Blood and Lymphatic, start CV</td>
<td>17, 18</td>
</tr>
<tr>
<td>2/21/13</td>
<td>5</td>
<td>CV</td>
<td>18</td>
</tr>
<tr>
<td>2/28/13</td>
<td>6</td>
<td>Respiratory</td>
<td>19</td>
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<tr>
<td>3/4-3/5</td>
<td>EXAM</td>
<td>Test 2 in the Testing Center</td>
<td>17, 18, 19</td>
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<tr>
<td>3/7/13</td>
<td>7</td>
<td>Acute Neuro</td>
<td>22</td>
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<tr>
<td>3/14/13</td>
<td>8</td>
<td>Chronic Neuro</td>
<td>23</td>
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<tr>
<td>3/28/13</td>
<td>9</td>
<td>Immobility, Musculoskeletal</td>
<td>11, 26</td>
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<tr>
<td>4/1-4/2/13</td>
<td>EXAM</td>
<td>Test 3 in the Testing Center</td>
<td>13, 18, 22, 23, 24</td>
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<tr>
<td>4/4/13</td>
<td>10</td>
<td>Digestive</td>
<td>20</td>
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<tr>
<td>4/11/13</td>
<td>11</td>
<td>Endocrine</td>
<td>25</td>
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<tr>
<td>4/18/13</td>
<td>12</td>
<td>Urinary</td>
<td>21</td>
</tr>
<tr>
<td>4/25/13</td>
<td>13</td>
<td>Reproductive</td>
<td>28</td>
</tr>
<tr>
<td>5/1-5/2/13</td>
<td>EXAM</td>
<td>Test 4 in the Testing Center</td>
<td>20, 21, 25, 28</td>
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**Class:** RNSG 1211 Thursday 9:00 am - 11:00 am

*Exam I (25%)* February 11-12, 2013, Testing Center  
Includes Chapters 1-6 lecture content and any assigned readings  
50 multiple choice questions

*Exam II (25%)* March 4-5, 2013, Testing Center  
Includes Chapters 17, 18, 19 and any assigned readings  
50 multiple choice questions

*Exam III (25%)* April 1-2, 2013, Testing Center  
Includes Chapters, 13, 22, 23, 24 and any assigned readings  
50 multiple choice questions

*Exam IV (25%)* May 1-2, 2013, Testing Center  
Includes Chapters, 20, 21, 25, 28 and any assigned readings  
50 multiple choice questions