

## 6. Course Syllabus

**Course Title:** Basic Pathophysiology Spring 2016

**Course Prefix:** NURS

**Course No.:** 3023

**Section No.:** M01

**Number of Credits:** Three (3) Semester Hours

**Department of Nursing**

**College of Nursing**

**Instructor Name:** Dr. Immaculata Igbo

**Office Location:** College of Nursing Building; Room 1054

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**U.S. Postal Service Address:** Prairie View A&M University  
P.O. Box  
Mail Stop  
Prairie View, TX 77446

**Office Hours:** 1:00 pm – 3:50 pm

**Class Hours:** 9:00 am – 11:50 am

**Course Location:** CON Building, Room 966

**Class Meeting Days & Times:** Thursday; 9:00 am – 11:50 am

**Catalog Description:** This course explores the basic principles and concepts of human disease processes. The course builds upon and expands core knowledge of human anatomy and physiology as it relates to the loss of homeostasis. Normal, compensatory, and pathological mechanisms related to physiological functioning of the individual in health and illness are discussed.

**Prerequisites:** Biology: Anatomy & Physiology 1&2

**Co-requisites:** NONE

### **Required Text:**

1. **Sue E Huether and Kathryn L. McCance, *Understanding Pathophysiology*, 5<sup>th</sup> Edition**

ISBN: 978-0-323-07891-7, Elsevier, St. Louis, Missouri, 2012

### **Recommended Text/Readings:**

- *Professional Guide to Pathophysiology*. Lippincott Williams & Wilkins: Philadelphia, 2011.

### **Access to Learning Resources:**

PVAMU Library:

phone: (936) 261-1500;

web: <http://www.tamu.edu/pvamu/library/>

University Bookstore:

phone: (936) 261-1990;

web: <https://www.bkstr.com/Home/10001-10734-1?demoKey=d>

**Course Goals or Overview:**

The goal of this course is to teach the student how alterations in the normal compensatory mechanisms contribute to the pathophysiological disease processes. This is the basis for the understanding of good health and illness.

**Course Outcomes/Objectives**

Upon completion of this course, the student will be able to:

1. Explain the interrelationship between the body's physiological systems. (POC, 7)
2. Distinguish between normal and pathological functioning of selected body systems. (POC, 1)
3. Relate pathophysiologic functioning of selected body processes with the resulting signs and symptoms. (POC, 7)
4. Explain the process of selected pathophysiological alterations in health.
5. Use health information and technology in the understanding of disease process. (POC, 1)
6. Relate research findings to selected pathophysiologic deviations. (PCO, 7)

## Course Requirements & Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

**Exams** – written tests designed to measure knowledge of presented course material

**Quizzes** – testing over particular course material

**Projects** – web development assignments designed to measure ability to apply presented course material

**Class Participation** – daily attendance and participation in class discussions

### Grading Matrix

<b>Instrument</b>	<b>Value (points or percentages)</b>	<b>Total</b>
Quizzes	4 quizzes at 1.25% each	5
Group Presentation	5%	5
Unit Exams	4 Unit exams 18.75% each	65
Final Exam	25%	25
<b>Total:</b>		<b>100</b>

#### **Grade Determination:**

A = 90 – 100%;

B = 81-89%;

C = 75-80%;

D = 65-74%;

F = below 65%

Kaplan Standardized Exam Pass/Fail – In order to pass the course, all students must take and pass the exam in order to pass the course.

### Course Procedures

#### **Submission of Assignments:**

Graded assignments not submitted at requested date or time, will have 5 points deducted each day.

#### **Formatting Documents:**

Microsoft Word is the standard word processing tool used at PVAMU. If you're using other word processors, be sure to use the "save as" tool and save the document in either the Microsoft Word, Rich-Text, or plain text format.

#### **Exam Policy**

Exams should be taken as scheduled. No makeup examinations will be allowed except under documented emergencies (See Student Handbook). Students are expected to notify faculty if he/she will not be able to report for an examination.

#### **Professional Organizations and Journals**

*(if applicable to your course or program, they should be listed here)*

#### **References**

*(if applicable to your course or program, references should be listed here)*

## 15 WEEK CALENDAR

**Week One:** Topic – Course Introduction/Orientation; Cellular Function; Aging

Chapter (s): 1, 3 & 3

Assignment (s): Read chapters 3 and 4

**Week Two:** Topic – Acid-Base Balance; Fluid & electrolyte balance

Chapter (s): 4

Assignment (s): Read the chapters. Quiz #1

**Week Three:** Topic – Cellular Adaptation; Neoplasia; Inflammation & Infection

Chapter (s): 3, 5-7, 9-10

Assignment (s): Read the chapters; Complete NCLEX practicing questions

**Week Four:** Topic – Immunity; HIV/AIDS; Hematology Disorders

Chapter (s): 5, 7, 19

Assignment (s): Read the chapters; Exam #1

**Week Five:** Topic – Hematology Cont'd; Cardiovascular Disorders

Chapter (s): 20-22

Assignment (s): Read the chapters; Complete NCLEX practicing questions; Quiz #2

**Week Six:** Topic – Cardiovascular Disorders cont'd

Chapter (s): 22-23

Assignment (s): Read the chapters

**Week Seven:** Topic- Respiratory Disorders

Chapter (s): 25-26

Assignment (s): Read the chapters and practice sample questions; Exam #2

**Week Eight:** Topic – Elimination – Renal Disorders

Chapter (s): 28-29

Assignment (s): Read the chapters; Complete NCLEX practicing questions

**Week Nine:** Topic – Gastrointestinal Function and Disorders

Chapter (s): 33-34

Assignment (s): Read the chapters

**Week Ten:** Topic – Hepatobiliary Function and Disorders

Chapter (s): 34

Assignment (s): Read chapter 46; Exam #3

**Week Eleven:** Topic – Endocrine Disorders

Chapter (s): 17-18

Assignment (s): Read the chapters

**Week Twelve:** Topic- Musculoskeletal & Brain Function Disorders

Chapter (s): 36-37; 39

Assignment (s): Exam 4

**Week Thirteen:** Topic – Neurological Disorders

Chapter (s): 12-15

Assignment (s): Quiz 4; Read the chapters; Complete NCLEX practicing questions.

**Week Fourteen:** Topic – Final Exam Review;

Chapter (s): Review all the major concepts using the final exam blueprint.

Assignment (s): Attend the class and participate in final exam review.

**Week Fifteen: Final Exam**

## **University Rules and Procedures**

### **Disability statement (See Student Handbook):**

Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

Any pregnant student, or students planning to become pregnant, should consult with their health care provider to determine what, if any, additional precautions are needed based on their individual situation. It is the responsibility of the student to communicate their needs to the Dean of the College of Nursing, Academic Programs as soon as possible in order for risk-reduction to begin when it can be most effective, and to determine if additional steps are necessary. While the college cannot mandate the student notify the college she is pregnant or planning to become pregnant, the college strongly recommends students provide notification so appropriate steps can be taken to insure the health of both parent and child. To communicate health circumstances or to request additional information, please contact the Dean College of Nursing, Academic Programs, Dr. Betty N. Adams, at 713-797-7009.

### **Academic misconduct (See Student Handbook):**

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

### **Forms of academic dishonesty:**

1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
3. Fabrication: use of invented information or falsified research.
4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else's words, ideas, or data as one's own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one's own work also constitutes plagiarism.

### **Nonacademic misconduct (See Student Handbook)**

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

### **Sexual misconduct (See Student Handbook):**

Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

#### **Attendance Policy:**

Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

#### **Student Academic Appeals Process**

Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

### **Technical Considerations for Online and Web-Assist Courses**

#### **Minimum Hardware and Software Requirements:**

- Pentium with Windows XP or PowerMac with OS 9
- 56K modem or network access
- Internet provider with SLIP or PPP
- 8X or greater CD-ROM
- 64MB RAM
- Hard drive with 40MB available space
- 15" monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Netscape Communicator ver. 4.61 or Microsoft Internet Explorer ver. 5.0 /plug-ins
- Participants should have a basic proficiency of the following computer skills:
  - Sending and receiving email
  - A working knowledge of the Internet
  - Proficiency in Microsoft Word
  - Proficiency in the Acrobat PDF Reader
  - Basic knowledge of Windows or Mac O.S.

**Netiquette (online etiquette):** students are expected to participate in all discussions and virtual classroom chats when directed to do so. Students are to be respectful and courteous to others in the discussions. Foul or abusive language will not be tolerated. When referring to information from books, websites or articles, please use APA standards to reference sources.

**Technical Support:** Students should call the Prairie View A&M University Helpdesk at 936-261-2525 for technical issues with accessing your online course. The helpdesk is available 24 hours a day/7 days a week. For other technical questions regarding your online course, call the Office of Distance Learning at 936-261-3290 or 936-261-3282

#### **Communication Expectations and Standards:**

All emails or discussion postings will receive a response from the instructor within 48 hours.

You can send email anytime that is convenient to you, but I check my email messages continuously

during the day throughout the work-week (Monday through Friday). I will respond to email messages during the work-week by the close of business (5:00 pm) on the day following my receipt of them. Emails that I receive on Friday will be responded to by the close of business on the following Monday.

**Submission of Assignments:**

Assignments, Papers, Exercises, and Projects will distributed and submitted through your online course. Directions for accessing your online course will be provided. Additional assistance can be obtained from the Office of Distance Learning ([dlearning@pvamu.edu](mailto:dlearning@pvamu.edu)).

**Discussion Requirement:**

Because this is an online course, there will be no required face to face meetings on campus. However, we will participate in conversations about the readings, lectures, materials, and other aspects of the course in a true seminar fashion. We will accomplish this by use of the discussion board.

Students are required to log-on to the course website often to participate in discussion. It is strongly advised that you check the discussion area daily to keep abreast of discussions. When a topic is posted, everyone is required to participate. The exact use of discussion will be determined by the instructor.

**It is strongly suggested** that students type their discussion postings in a word processing application and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, it should be copied and pasted to the discussion board.