

**Note:**

**Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.**

## ***COURSE SYLLABUS***

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### **NURS 215**

#### **PATHOPHYSIOLOGY**

#### **COURSE DESCRIPTION**

The focus of this course is on physiological changes resulting from imbalances in the man-environment interaction throughout the life span. The emphasis is on application of general concepts of adaptation and homeostasis to each of the body's systems and on relationship of these concepts to the practice of clinical nursing. The course provides the student with a scientific knowledge base applicable to the more advanced clinical practice of nursing.

#### **RATIONALE**

The professional nurse is called upon to make patient care decisions based on interpretation and integration of physiological data. This course serves as an introduction to basic pathophysiologic mechanisms and manifestations of disease.

#### **I. PREREQUISITES**

Admission to the Nursing Major; BIOL 211

#### **II. REQUIRED RESOURCE PURCHASE**

Click on the following link to view the required resource for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

#### **III. ADDITIONAL MATERIALS FOR LEARNING**

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Microsoft Word  
(Microsoft Office is available at a special discount to Liberty University students.)

#### **IV. MEASURABLE LEARNING OUTCOMES**

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

- A. Integrate the basic principles of the body's homeostasis in stress response and pathophysiologic conditions seen in the different anatomical systems.
- B. Explain the role of specified body systems and mechanisms in maintenance of acid-base, fluid, and electrolyte balance and pathophysiological conditions.
- C. Assess the pathophysiologic mechanism and the body's adaptive responses to disturbances in oxygenation, circulation, neurological function, pain, immune, and inflammatory responses.

- D. Analyze the function of major hormones involved in maintenance of normal and abnormal physiologic function.
- E. Evaluate the occurrences in pathophysiological conditions and health related ethical concerns with biblical principles of God's creation and design of mankind.

## **I. COURSE REQUIREMENTS AND ASSIGNMENTS**

- A. Textbook readings and lecture presentations
- B. Discussion Board forums (4)

There will be four Discussion Board forums throughout the course. The purpose of Discussion Board forums is to generate interaction among students in regard to relevant current course topics. Each student is required to post one thread of at least 300 words by 11:59 p.m. (ET) on Wednesday of the assigned module/week. For each thread, assertions should be supported with at least two citations in APA format, one being from the Bible and the other from a peer-reviewed professional source.

Each student must submit three replies of at least 50 words each by 11:59 p.m. (ET) on Monday of the assigned module/week, except for Module/Week 3, in which one reply of at least 150 words should be completed. For each reply, assertions should be supported with at least one citation in APA format, from the Bible or a peer-reviewed professional source.

- C. Pathophysiology Paper

Each student will write a 2-3-page paper discussing any disease of interest discussed in the course up to the point of submission. Include a thorough discussion of the pathophysiology, clinical manifestations and nursing interventions, implications for nursing practice, and your world view of the disease. The paper should be typed in Microsoft Word using APA format and include a title page and a reference page. Outside references other than the textbook are not required, but must be referenced if used. This assignment is due by 11:59 p.m. (ET) on Monday of Module/Week 4.

- D. Teaching Project

Each student is required to submit a health education brochure. The disease chosen must be one covered in Modules/Weeks 1-8. Students must complete the assignment in APA format and cite 3-5 references. This assignment is due by 11:59 p.m. (ET) on Monday of Module/Week 6.

E. Exams (5)

All exams will be open-book/open-notes and include 50 multiple-choice questions. Each student will have 2 hours to complete to each exam. Each exam is due by 11:59 p.m. (ET) on Monday of the assigned module/week, except for Exam 5, which is due by 11:59 p.m. (ET) on Friday of Module/Week 8.

**II. COURSE GRADING AND POLICIES**

A. Points

Discussion Board forums (4 at 70 pts ea)		280
Pathophysiology Paper		110
Teaching Project		110
Exam 1	(Modules 1-2)	100
Exam 2	(Modules 3)	100
Exam 3	(Modules 4-5)	100
Exam 4	(Modules 6-7)	100
Exam 5	(Module 8)	100
	<b>Total</b>	<b>1000</b>

B. Scale

A = 930–1000 B = 850–929 C = 770–849 D =680-769 F = 0-679

C. Late Policy

All assignments and postings are expected to be completed on time. For each day an assignment is late, 10% of the total assignment grade will be deducted. For example, a 100 point assignment at one day late is 90 points, two days is 80, and so on. At Day 5, the assignment will not be accepted, and the grade will be a 0.

D. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at [LUOODAS@liberty.edu](mailto:LUOODAS@liberty.edu) to make arrangements for academic accommodations.

## ***COURSE SCHEDULE***

### **NURS 215**

Textbook: Huether & McCance, *Pathophysiology: The Biological Basis for Disease in Adults & Children* (2010).

<b>WEEK/ MODULE</b>	<b>READING &amp; STUDY</b>	<b>ASSIGNMENTS</b>	<b>POINTS</b>
<b>1</b>	Huether & McCance: chs. 1, 11 – 13 2 presentations	Course Requirements Checklist DB Forum 1	0 70
<b>2</b>	Huether & McCance: ch. 3 1 presentation	Exam 1	100
<b>3</b>	Huether & McCance: chs. 2, 5 – 7 1 presentation	DB Forum 2 Exam 2	70 100
<b>4</b>	Huether & McCance: chs. 14 – 19 1 presentation	DB Forum 3 Pathophysiology Paper	70 110
<b>5</b>	Huether & McCance: chs. 20 – 21 1 presentation	Exam 3	100
<b>6</b>	Huether & McCance: chs. 29 – 31 1 presentation	Teaching Project	110
<b>7</b>	Huether & McCance: chs. 32 – 34 1 presentation	DB Forum 4 Exam 4	70 100
<b>8</b>	Huether & McCance: chs. 25 – 28 2 presentations	Exam 5	100
<b>TOTAL</b>			<b>1000</b>

DB = Discussion Board

**NOTE:** Each course week (except week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.

