

**The University of Texas at Tyler  
College of Nursing and Health Sciences**

**Pathophysiology of Acute Care  
WEB Based  
RN-BSN Track**

**NURS 3303.060**

**Fall 2009**

**Lori Ferguson, MSN, RN**

Adjunct Faculty

Off Campus

(325) 200-9587

[loriferguson@mhd.com](mailto:loriferguson@mhd.com)

Office hours: Monday 9-12

The content of this syllabus/WEB site is subject to change at the discretion of the faculty leaders according to current learning needs.

[University Policies Referenced in Syllabus can be found at:  
<http://www.uttyler.edu/academicaffairs/syllabuspolicies.pdf>.

**NURS 3303.060 - Pathophysiology of Acute Care  
CLASS SCHEDULE - Fall 2009**

<b>Date</b>	<b>Topic</b>	<b>Chapters</b>	<b>Faculty</b>
Aug. 26-30	Course Orientation		Ferguson
Aug. 31- Sept. 6	Unit 1: Healthy Cells, Basis Of Life (Unit 1 *DB due by 5pm on 9/07)	1,2	Ferguson
Sept. 7-13	Unit 2: Dying Cells (Unit 2 *DB due by 5pm on 9/14)	3	Ferguson
Sept. 14-20	Unit 3: Cells At Risk (Unit 3 *DB due by 5pm on 9/21)	5,6,7	Ferguson
<b>Sept. 19-23</b>	<b>Exam 1: Units 1-3</b>		
Sept. 21-27	Unit 4: Cells Gone Crazy (Unit 4 *DB due by 5pm on 9/28)	9,10	Ferguson
Sept. 28 - Oct. 4	Unit 5: System Regulation And Function (Unit 5 *DB due by 5pm on 10/5)	4,8	Ferguson
Oct. 5-11	Unit 6: The Cardiovascular System (Unit 6 *DB due by 5pm on 10/12)	19, 20	Ferguson
<b>Oct. 10-14</b>	<b>Exam 2: Units 4-6</b>		
Oct. 12-18	Unit 7: The Blood (Unit 7 *DB due by 5pm on 10/19)	22,23, 24	Ferguson
Oct. 19-25	Unit 8: The Pulmonary System (Unit 8 *DB due by 5pm on 10/26)	25,26	Ferguson
<b>Oct. 24-28</b>	<b>Exam 3: Units 7-8</b>	<b>Note Begins &amp; Ends on Different days</b>	
Oct. 26-Nov. 1	Unit 9: The Brain And Nerves (Unit 9 *DB due by 5pm on 11/2)	12,13,14,15	Ferguson
<b>Oct. 20, 2009</b>	Last day to withdraw with automatic "W"		
Nov. 2-8	Unit 10: Muscles, Bones And Skin (Unit 10 *DB due by 5pm on 11/9)	36,37,39	Ferguson
Nov. 9-15	Unit 11: The Urinary System (Unit 11 *DB due by 5pm on 11/16)	28,29	Ferguson
<b>Nov. 14-18</b>	<b>Exam 4: Units 9-11</b>		
Nov. 16-22	Unit 12: The Gastrointestinal System (Unit 12 *DB due by 5pm on 11/23)	33,34	Ferguson
Nov. 23-Dec. 6	Unit 13 Hormonal Regulation And Function (Unit 13 *DB due by 5pm on 12/7)	17,18	Ferguson
Dec. 7-13	Unit 14 The Reproductive Systems (Unit 14 *DB due by 5pm on 12/13)	31,32	Ferguson
<b>Dec. 12-16</b>	<b>Exam 5: Units 12-14</b>		

**\*DB=Discussion Board**

NURS 3303.060: Pathophysiology of Acute Care (WEB Based)

### **SEMESTER CREDIT HOURS**

Three (3) hours didactic

### **PREREQUISITES**

Successful completion of Anatomy and Physiology 1 & 2, Microbiology, and Chemistry. The course may be taken 1 semester prior to admission to the College of Nursing, or must be taken during the first semester admitted to the nursing program. (Please note this WEB based course is limited to nurses in the RN to BSN track.)

### **COURSE DESCRIPTION**

This course focuses on the etiologic, symptomatologic, and pathologic aspects of selected human diseases across the life span. Concepts of health promotion, disease prevention, disease progression, and treatment are approached from a cellular and multi-system perspective. Influences of genetic, ethnic, and cultural variables on human diseases is analyzed. Content aims at stimulating critical thinking for application to nursing practice.

### **COURSE OBJECTIVES**

Upon successful completion of the course, students will have demonstrated the ability to:

1. Compare, at the cellular level and systemic levels, the pathologic effects of selected disease processes.
2. Correlate internal/external environmental risk factors with disease development and progression.
3. Critique the influence of genetic, ethnic, and cultural factors in health promotion, disease prevention, disease progression, and treatment.
4. Interpret diagnostic tests in relation to objective and subjective symptomatology.
5. Evaluate for the presence and effects of compensatory mechanisms in response to major physiologic alterations.
6. Discuss major variables affecting the healing process in primary tissues and organ systems, and apply such concepts to the management and treatment of disease.
7. Describe the impact of pathophysiology-based knowledge on nursing practice within the context of a specified nursing model.
8. Apply critical thinking process to the use of pathophysiologic principles as a basis for nursing practice.
9. Employ select nursing and biomedical research studies in the application of pathophysiologic principles to nursing practice.

### **REQUIRED TEXTS**

#### **TEXTBOOK:**

Heuther, S.E. & McCance, K.L. (2008). *Understanding pathophysiology* (4th ed.) to include online password code. St. Louis, MI: Mosby. (ISBN 978032354362)

### **OPTIONAL TEXTS**

#### **STUDY GUIDE:**

Heuther, S.E., & McCance, K.L. (2004). *Study guide and workbook for understanding pathophysiology* (4th ed. ). St. Louis, MI: Mosby (ISBN 9780323049894)

**UNIVERSITY POLICIES**

<http://www.uttyler.edu/academicaffairs/syllabuspolicies.pdf>