



Document # \_\_\_\_\_

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2013-2014

CATALOG YEAR ~~2012-2013~~

(Please use separate form for each add/change)

COLLEGE/SCHOOL/SECTION: College of Nursing and Health Sciences, School of Nursing

Course: Add: \_\_\_ Delete: \_\_\_  
(check all that apply) Change: Number \_\_\_ Title  SCH \_\_\_ Description  Prerequisite \_\_\_  
New course will be part of major \_\_\_ minor \_\_\_ as a required \_\_\_ or elective \_\_\_ course  
New course will introduce \_\_\_, reinforce \_\_\_, or apply \_\_\_ concepts

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: \_\_\_ Add: \_\_\_ Change: \_\_\_ Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Minor: Add: \_\_\_ Delete: \_\_\_ Change: \_\_\_ Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.

Faculty: Add: \_\_\_ Delete: \_\_\_ Change: \_\_\_ Attach new/changed faculty entry. If in current online catalog, provide change and attach text with changes in red.

College Introductory Pages: Add information: \_\_\_ Change information: \_\_\_ Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Other: Add information: \_\_\_ Change information: \_\_\_ Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Change of course description and objectives, to meet requirements for alignment with Texas Board of Nursing Differentiated Competencies for Registered Nurses.

| Approvals:                               | Signature                | Date  |
|--|--------------------------|-------|
| Chair<br>Department Curriculum Committee | <u>Belva J. Gonzalez</u> | _____ |
| Chair<br>Department                      | _____                    | _____ |
| Chair<br>College Curriculum Committee    | <u>Belva J. Gonzalez</u> | _____ |
| Dean                                     | _____                    | _____ |

NURS 2414 RN/BSN Pathophysiology Four semester hours, theory only. (FL)

This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. The influence of psychoneuroimmunologic mechanisms upon structure and function of the body's adaptive and compensatory needs will be explored. The interaction of age, life-style, culture, gender differences, and intrinsic and extrinsic environmental factors will be examined in relation to these psychoneuroimmunologic mechanisms. Emphasis is placed upon the pathophysiological concepts essential for understanding the rationale for preventive and therapeutic nursing interventions and medications associated with these disease processes. To earn credit, this course must be completed with a grade of "C" or better.

### **NURS 2414 Pathophysiology and Pharmacology**

**Course Description:** This course is a comprehensive study of underlying concepts common to the major pathophysiologic processes of the body. Emphasis is placed upon the pathophysiological concepts essential for understanding the evidence-based rationale for safe therapeutic and preventive nursing interventions for diverse populations. Pharmacology and ethnopharmacology will be included in the study of the various pathophysiologic processes.

**Course Objectives:** Upon completion of this course the student will have had opportunities to:

1. Discuss the impact of the pathophysiologic process on functional health status. (1)
2. Identify principles of integration of cell, organ, system and functional whole to explain biologic and physical aspects of altered health and homeostasis. (1)
3. Discuss the mechanisms of disease involving the major organ systems of the body. (1)
4. Explain the significance of selected laboratory and diagnostic findings as they relate to pathophysiologic concepts and diseases of major organ systems. (1)
5. Compare and contrast normal organ/system functions with physiologic deviations. (1, 3)
6. Prioritize problems/needs for individuals and families in various cultural groups with selected pathophysiological conditions. (2, 3)
7. Describe internal and external environmental factors that influence the development of an individual's adaptive and compensatory responses to pathophysiologic processes. (2)
8. Utilize critical decision making to examine the interrelationships among pathophysiologic mechanisms, medications, and their responses to altered physiologic functioning. (3)
9. Evaluate simulated clinical situations utilizing knowledge of pathophysiology and pharmacology (3, 4)
10. Demonstrate responsibility and accountability for independent learning and self-evaluation. (9)