CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
COURSE MODIFICATION PROPOSAL

Courses must be submitted by November 2, 2009, to make the next catalog (2010–2011) production

DATE (CHANGE DATE EACH TIME REVISED): OCTOBER 26, 2009; REV 12.8.09; REV 1.27.10; REV 2.3.10

PROGRAM AREA(S): NRS

Directions: All of sections of this form must be completed for course modifications. All documents are stand alone sources of course information.

1. Course Information.
   (Follow accepted catalog format.) (Add additional prefixes if cross-listed)

   OLD
  Prefix NRS Course# 306 Title Pathophysiology Units (3)
  3 hours lecture per week 3 hours blank per week

   x Prerequisites: BIO 210, 211
   x Consent of Instructor Required for Enrollment
   Corequisites: NRS 220, 221

   Catalog Description (Do not use any symbols):
   Examines related pathophysiological disruptions to normal system functioning and the impact of these alterations on the individual throughout the life span. Provides rationale for nursing interventions for common health problems involving the integumentary, sensory, musculoskeletal, gastrointestinal, cardiovascular, endocrine, respiratory, hematological, renal/genitourinary, and neurological body systems.

   NEW
   Prefix NRS Course# 306 Title Pathophysiology Units (3)
   3 hours lecture per week

   x Prerequisites: BIO 210, 211
   x Consent of Instructor Required for Enrollment
   Corequisites: 

   Catalog Description (Do not use any symbols):

   General Education Categories
   x Lab Fee Requested

   Course Level:
   x Undergraduate
   Post-bac/Credential
   Graduate

   Graded
   CR/NC
   x A - F

   Repeatable for up to 1 units
   Total Completions 1

   Multiple
   Optional
   (Student’s choice)

   Enrollment in same semester

   Lab Fee Requested
   x A - F

   Repeatable for up to 1 units
   Total Completions 1

   Multiple
   Optional
   (Student’s choice)

   Enrollment in same semester

2. Mode of Instruction (Hours per Unit are defaulted) (Provided by the Dean)

   Existing

   Proposed

   Hegis Code(s) ______________________________________________________

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3. Course Attributes:

9.15.08 km2
General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: http://summit.csuci.edu/geapproval. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

A (English Language, Communication, Critical Thinking)
- A-1 Oral Communication
- A-2 English Writing
- A-3 Critical Thinking

B (Mathematics, Sciences & Technology)
- B-1 Physical Sciences
- B-2 Life Sciences – Biology
- B-3 Mathematics – Mathematics and Applications
- B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)
- C-1 Art
- C-2 Literature Courses
- C-3a Language
- C-3b Multicultural

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)

UDIGE/INTD Interdisciplinary
- Meets University Writing Requirement
- Meets University Language Requirement

American Institutions, Title V Section 40404:
- Government
- US Constitution
- US History

Refer to website, Exec Order 405, for more information: http://senate.csuci.edu/comm/curriculum/resources.htm

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

4. Justification and Requirements for the Course. [Make a brief statement to justify the need for the course]

OLD
This content is considered essential to professional nursing practice and is recommended as part of any baccalaureate program seeking accreditation through The Commission on Collegiate Nursing Education (CCNE), accrediting agency of the American Association of Colleges of Nursing (AACN).

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Submit Program Modification if this course changes your program.

5. Learning Objectives. (List in numerical order. You may wish to visit resource information at the following website: http://senate.csuci.edu/comm/curriculum/resources.htm)

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

1. Compare the normal physiological processes with the altered physiological processes
2. Cite the condition/disease process causing pathophysiological dysfunction
3. Explain mechanisms for the pathophysiologic alterations of major physiologic systems

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

1. Compare the normal physiological processes with the altered physiological processes
2. Explain the condition/disease process causing pathophysiological dysfunction
3. Compare and contrast mechanisms for the pathophysiologic alterations of major physiologic systems
4 Cite the usual etiology, predisposing factors, signs and symptoms, and diagnostic measures for the conditions/disease entities.
5 Describe and recognize major systematic pathophysiological reactions in the body
6 Identify differences of pathophysiologic alterations in adults and children
7 Cite the usual therapeutic approach used to eradicate or ameliorate the disease process
8 State the common assessment findings and goals for monitoring the response to therapeutic measures.
9 State the common nursing interventions used to manage the symptoms or effect of the dysfunctions and the pathophysiologic rationale for their use.

6. Course Content in Outline Form. (Be as brief as possible, but use as much space as necessary)

OLD
I. Concepts of Disease Process Throughout the Lifespan
A. Concepts of Health and Disease
B. Concepts of Altered Health in Children
C. Concepts of Reproductive Health
C. Concepts of Altered Health in Older Adults
II. The Cell
A. Cellular Biology
B. Genes and Genetic Disease
C. Altered Cellular and Tissue Biology
D. Fluids and Electrolytes, Acids and Bases
III. Mechanisms of Self-Defense
A. Immunity
B. Inflammation
C. Hypersensitivities, Infection and Immunodeficiencies
D. Stress and Disease
IV. Cellular Proliferation: Cancer
A. Biology of Cancer
B. Tumor Spread and Treatment
C. Alterations in WBC’s and Lymphoid Tissue
D. Cancer in Children
V. Circulation, Blood Coagulation, Blood Flow, and Blood Pressure
A. Alterations in Cardiac Function
B. Alterations in Homeostasis and Blood Coagulation
C. Alterations in Blood Flow
D. Alterations in Blood Pressure
E. Alterations in Cardiac Function
VI. Oxygen Transport, Ventilation and Gas Exchange
A. Alterations in Ventilation
B. Alterations in Gas Exchange
C. Alteration in Oxygen Transport
VII. Cognition, Consciousness, Sensory and Motor Function
A. Alterations in Cognitive Function
B. Alterations in Consciousness. Sleep and Perception
C. Alterations in Visual and Auditory Function
D. Alterations in Sensory Function
E. Alterations in Motor Function
VIII. Metabolism, Digestion, and Elimination
A. Alterations Gastrointestinal Function
B. Alterations in Hepatobiliary and Exocrine Pancreatic

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VIII. Metabolism, Digestion, and Elimination
A. Alterations Gastrointestinal Function
B. Alterations in Hepatobiliary and Exocrine Pancreatic
Function
C. Alterations in Endocrine Control, Growth and Metabolism
D. Alterations in Renal Function and Elimination
E. Alteration in the Integumentary System
F. Alterations in Nutrition and Hematopoietic Function
IX. Movement and Skeletal Function
A. Alterations Muscular Function
B. Alterations in the Skeletal Function

Does this course content overlap with a course offered in your academic program? Yes ☐ No ✗
If YES, what course(s) and provide a justification of the overlap. 

Does this course content overlap a course offered in another academic area? Yes ☐ No ✗
If YES, what course(s) and provide a justification of the overlap. 

Overlapping courses require Chairs’ signatures.

7. Cross-listed Courses (Please note each prefix in item No. 1)
   A. List cross-listed courses (Signature of Academic Chair(s) of the other academic area(s) is required).
   B. List each cross-listed prefix for the course: 
   C. Program responsible for staffing: 

8. References. [Provide 3-5 references]


Recommended Text(s)

NEW

9. Tenure Track Faculty qualified to teach this course.
   Dr. Laura Newton

10. Requested Effective Date or First Semester offered: Already offered

11. New Resource Requested: Yes ☐ No ✗
If YES, list the resources needed.
   A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.) 
   B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)
   C. Facility/Space/Transportation Needs:
   D. Lab Fee Requested: Yes ☐ No ☐ ( Refer to the Dean’s Office for additional processing)
   E. Other. 

9.15.08 km2
12. Indicate Changes and Justification for Each. [Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]

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<thead>
<tr>
<th>Course title</th>
<th>Course Content</th>
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<tr>
<td>Prefix/suffix</td>
<td>Course Learning Objectives</td>
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Justification: Alternation in sequencing of courses no longer offered concurrent with NRS 220 and 221 due to move of course work to summer sessions.

13. Will this course modification alter any degree, credential, certificate, or minor in your program? Yes [ ] No [x]
If, YES attach a program update or program modification form for all programs affected.
Priority deadline for New Minors and Programs: October 5, 2009 of preceding year.
Priority deadline for Course Proposals and Modifications: November 2, 2009.
Last day to submit forms to be considered during the current academic year: April 15th.

Karen Jensen
Proposer(s) of Course Modification
October 26, 2009
Date

Type in name. Signatures will be collected after Curriculum approval.
## Approval Sheet

**Course:** NRS 306

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

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<thead>
<tr>
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<td>Center for Civic Engagement and Service Learning Director</td>
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