

# 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  
 hours blank per week

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

**Catalog Description** (Do not use any symbols):

#### NEW

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

☒ Prerequisites: **BIO 210,211**  
☐ Consent of Instructor Required for Enrollment  
☐ Corequisites:

**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.

General Education Categories ☐  
☐ Lab Fee Requested  
 Course Level:  
☒ Undergraduate  
☐ Post-bac/Credential  
☐ Graduate  
 Graded ☐  
 CR/NC ☒ A - F  
☐ Repeatable for up to units  
 Total Completions **1**  
☐ Multiple Enrollment in same semester  
 Optional (Student's choice)

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☒ Undergraduate  
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 Graded ☐  
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 Total Completions **1**  
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 Optional (Student's choice)

### 2. Mode of Instruction (Hours per Unit are defaulted)

Hegis Code(s) \_\_\_\_\_  
 (Provided by the Dean)

#### Existing

#### Proposed

	Units	Hours Per Unit	Benchmark Enrollment	Graded		Units	Hours Per Unit	Benchmark Enrollment	Graded	CS No. (filled out by Dean)
Lecture	<b>3</b>	<b>1</b>	<b>40</b>	<input checked="" type="checkbox"/>	Lecture	<b>3</b>	<b>1</b>	<b>40</b>	<input checked="" type="checkbox"/>	
Seminar		<b>1</b>			Seminar		<b>1</b>			
Lab		<b>3</b>			Lab		<b>3</b>			
Activity		<b>2</b>			Activity		<b>2</b>			
Field Studies					Field Studies					
Indep Study					Indep Study					
Other blank					Other blank					

### 3. Course Attributes:

**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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☒ Requirement for the Major/Minor

☐ Elective for the Major/Minor

☐ Free Elective

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☐ Elective for the Major/Minor

☐ Free Elective

**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>)

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

**OLD**

This is a required course for the BS in Nursing program.

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

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

**NEW**

This is a required course for the BS in Nursing program.

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 pathophysiological rationale for their use

- 4 Summarize the usual etiology, predisposing factors, signs and symptoms, and diagnostic measures for the conditions/disease entities.
- 5 Categorize major systematic pathophysiological reactions in the body
- 6 Compare and contrast differences of pathophysiologic alterations in adults and children
- 7 Correlate the usual therapeutic approach used to eradicate or ameliorate the disease process
- 8 Analyze the common assessment findings and goals for monitoring the response to therapeutic measures.
- 9 Apply common nursing interventions used to manage the symptoms or effect of the dysfunctions and the pathophysiological 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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  - 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

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]**

OLD Huether, S.E. & McCance K. L., (2003). Understanding pathophysiology (3rd ed), St. Louis: Mosby.

**Recommended Text(s)**

Kee, J. & Hayes, E. (2000). Pharmacology: A nursing process approach (3rd Ed.). Philadelphia: W.B. Saunders.

Porth, C.M., (2002). Pathophysiology: Concepts of altered states (6th ed.), Philadelphia: Lippincott and Williams and Wilkins.

Price, S. A. & Wilson L. M. (2003) Pathophysiology: Clinical concepts of disease processes (6th ed.), St. Louis: Mosby.

**NEW**

Huether, S.E. & McCane, K.I., (2008) Understanding pathophysiology (4th Edition), St. Louis MO, Mosby (elsevier)  
 Huether, S.E. & McCane, K.I., (2008) Understanding Pathophysiology: Study Guide and Workboork (4<sup>th</sup> Edition), St. Louis, MO, Mosby Elsevier

**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.

**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.]*

- |   |   |
|---|---|
| <input type="checkbox"/> Course title                           | <input type="checkbox"/> Course Content                 |
| <input type="checkbox"/> Prefix/suffix                          | <input type="checkbox"/> Course Learning Objectives     |
| <input type="checkbox"/> Course number                          | <input checked="" type="checkbox"/> References          |
| <input type="checkbox"/> Units                                  | <input type="checkbox"/> GE                             |
| <input type="checkbox"/> Staffing formula and enrollment limits | <input type="checkbox"/> Other <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Prerequisites/Corequisites  | <input type="checkbox"/> Reactivate Course              |
| <input type="checkbox"/> Catalog description                    |   |
| <input type="checkbox"/> Mode of Instruction                    |   |

**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 ☐

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 15<sup>th</sup>**.

Karen Jensen

October 26,  
2009

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Proposer(s) of Course Modification

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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.

Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
General Education Chair		
	Signature	Date
Center for Intl Affairs Director		
	Signature	Date
Center for Integrative Studies Director		
	Signature	Date
Center for Multicultural Engagement Director		
	Signature	Date
Center for Civic Engagement and Service Learning Director		
	Signature	Date
Curriculum Chair		
	Signature	Date
Dean of Faculty		
	Signature	Date