

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

Courses must be submitted by October 15, 2015, and finalized by the end of the fall semester to make the next catalog (2016-17) production

DATE (CHANGE DATE EACH TIME REVISED): 8/11/15, 10.12.15

PROGRAM AREA(S): NRS COURSE NO: 306

Directions: All sections of this form must be completed. Use YELLOWED areas to enter data. All documents are stand-alone sources of course information.

1. Indicate Changes and Justification for Each. [Mark all change areas that apply]

- Course title, Prefix/suffix, Course number, Units, Staffing formula and enrollment limits, Prerequisites/Corequisites, Catalog description, Mode of Instruction, Course Content, Course Learning Outcomes, References, GE, Other, Reactivate Course

Justification: Changed to meet accreditation standards and terminology. Changes are per recommendation of The Commission on Collegiate Nursing Education (CCNE), accrediting agency of the American Association of Colleges of Nursing (AACN).

2. 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 per week

x Prerequisites: BIOL 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:

Grading Scheme (Select one below):

- x A - F Credit/No Credit Optional (Student's Choice)

Repeatable for up to 6 units

Total Completions 2

Multiple Enrollment in Same Semester Y/N

Course Level:

- Undergraduate Post-Baccalaureate Graduate

NEW

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

x Prerequisites: Admission to the BSN Nursing Program Consent of Instructor Required for Enrollment Corequisites:

Catalog Description (Do not use any symbols):

Focuses on the altered processes of human physiology. An emphasis is placed on exploring changes of biological process of the body and the effects on homeostasis throughout the lifespan. Alterations of health problems are studied along with the associated clinical manifestations and treatments. Provides rationale for inter-professional interventions in common health care problems involving integumentary, sensory, musculoskeletal, gastrointestinal, cardiovascular, endocrine, respiratory, hematological, renal/genitourinary, and neurological body systems.

General Education Categories:

Grading Scheme (Select one below):

- x A - F Credit/No Credit Optional (Student's Choice)

Repeatable for up to 6 units

Total Completions 2

Multiple Enrollment in Same Semester Y/N

Course Level:

- x Undergraduate Post-Baccalaureate Graduate

3. 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	<u>3</u>	<u>1</u>	<u>44</u>	x	Lecture	<u>3</u>	<u>1</u>	<u>44</u>	x	
Seminar		<u>1</u>			Seminar		<u>1</u>			
Lab		<u>3</u>			Lab		<u>3</u>			
Activity		<u>2</u>			Activity		<u>2</u>			
Field Studies					Field Studies					
Indep Study					Indep Study					
Other blank					Other blank					
Online					Online					

4. Course Attributes:



**General Education Categories:** All courses with GE category notations (including deletions) must be submitted to the GE website: <http://summit.csuci.edu/ge>  
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 (Graduation Writing Assessment Requirement)**

**Meets University Language Requirement**



**American Institutions, Title V Section 40404:** Government US Constitution US History  
Regarding 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).



**Online Course** (Answer YES if the course is ALWAYS delivered online).

5. 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

**NEW**

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).

- x Requirement for the Major/Minor
- Elective for the Major/Minor
- Free Elective

**Submit Program Modification if this course changes your program.**

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).

- x Requirement for the Major/Minor
- Elective for the Major/Minor
- Free Elective

**6. Student Learning Outcomes.** (List in numerical order. Please refer to the Curriculum Committee's "Learning Outcomes" guideline for measurable outcomes that reflect elements of Bloom's Taxonomy: <http://senate.csuci.edu/comm/curriculum/resources.htm>. The committee recommends 4 to 8 student learning outcomes, unless governed by an external agency (e.g., Nursing).

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

**OLD**

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. 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

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

**NEW**

1. Identify the pathological aspects of the disease process (etiology, pathogenesis, and clinical manifestations) associated with specific body systems compared to the normal physiological processes.
2. Summarize the etiology, predisposing factors, signs and symptoms, and diagnostic and laboratory test used in identifying altered health states in various body systems.
3. Apply knowledge of anatomy, physiology, and pathophysiology to categorize major systemic pathophysiological reactions in the body.
4. Develop an understanding of the nursing role and therapeutic approach in assessing and educating clients who are experiencing various health alterations.
5. Understand the body's response to and ability to adapt and compensate to pathologic changes, and the differences in alterations with adults and children.
6. Examine current evidence based practice for identifying the pathological changes that are associated with selected health alterations.
7. Analyze the common assessment findings and goals for monitoring the response to therapeutic measures.
8. Apply common nursing interventions used to manage the symptoms or effect of the dysfunctions and the pathophysiological rationale for their use.

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

**OLD**

- OLD
- 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 system
- 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

**NEW**

1. Concept of Disease Process Throughout the Lifespan
2. Cellular Function and Growth
3. Integrative Body Functions
4. Hematopoietic Function
5. Infection and Immunity
6. Circulatory Function
7. Respiratory Function
8. Kidney and Urinary Tract Function
9. Gastrointestinal and Hepatobiliary Function
10. Endocrine System
11. Nervous System
12. Genitourinary and Reproductive Function
13. Musculoskeletal and Integumentary Function

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

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.

8. 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:

9. References. [Provide 3-5 references]

OLD  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 Workbook (4th Edition), St. Louis, MO, Mosby Elsevier

NEW Porth, C.M (2014) Pathophysiology Concepts of Altered Health Status (9<sup>th</sup> ed.) Lippincott Williams and Wilkins Philadelphia

Study Guide to Accompany Porth's Pathophysiology Concepts of Altered Health States (2014) Lippincott, Williams and Wilking, Philadelphia

10. Tenure Track Faculty qualified to teach this course.  
Lasonya Davis, RN, FNP, DNP

11. Requested Effective Date or First Semester offered: Fall 2016

12. 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.

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.

Deadline for New Minors and Programs: **October 1, 2015.**

Deadline for Course Proposals and Modifications, and for Program Modifications: **October 15, 2015.**

Last day to submit forms to be **considered** during the current academic year: **April 1, 2016.**

Karen Jensen

8/11/2015

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Chair/Proposer(s) of Course Modification Signature

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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.

The CI program review process includes a report from the respective department/program on its progress toward accessibility requirement compliance. By signing below, I acknowledge the importance of incorporating accessibility in course design.

Program Chair		
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Signature

Date

Program Chair		
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Signature

Date

Program Chair		
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Signature

Date

General Education Chair		
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Signature

Date

Center for Intl Affairs Director		
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Signature

Date

Center for Integrative Studies Director		
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Signature

Date

Center for Multicultural Engagement Director		
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Signature

Date

Center for Civic Engagement and Service Learning Director		
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Signature

Date

Curriculum Chair		
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Signature

Date

AVP		
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Signature

Date