

Department Name and Number _____

Recommended SCNS Course Identification

Prefix ____ Level ____ Course Number ____ Lab Code ____

Full Course Title _____

Transcript Title (please limit to 21 characters) _____

Effective Term and Year _____ Rotating Topic yes no

Amount of Credit ____ Contact Hour: Base ____ or Headcount ____ S/U Only yes no

Repeatable Credit yes no If yes, ____ total repeatable credit allowed

Variable Credit yes no If yes, ____ minimum and ____ maximum credits per semester

Course Description (50 words or less)

Prerequisites	Co-requisites
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Degree Type (mark all that apply) Baccalaureate Graduate Professional Other _____

Category of Instruction Introductory Intermediate Advanced

Rationale and place in curriculum

Department Contact	Name	Phone	Email
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College Contact	Name	Phone	Email
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UNIVERSITY OF FLORIDA
COLLEGE OF NURSING
COURSE SYLLABUS
SEMESTER/YEAR

<u>COURSE NUMBER</u>	NUR 3140	
<u>COURSE TITLE</u>	Pathophysiology and Pharmacology	
<u>CREDITS</u>	04 credits	
<u>PLACEMENT</u>	RN/BSN Program: RN to BSN Track	
<u>PREREQUISITES</u>	Admission to RN-BSN Track	
<u>COREQUISITES</u>	None	
<u>FACULTY</u>	David Derrico derridj@ufl.edu Office hours:	Clinical Assistant Professor (352) 273-6341 HPNP 3202 By appointment

COURSE DESCRIPTION This course is designed to improve the learner's ability to understand cellular physiology and alterations in structure and function resulting from the action of stressors on the human body at the cellular level. Physiological, pathophysiological, psychobiological, and pharmacological concepts are examined that provide a foundation for understanding the pathophysiology of disease and the rationale for treatment including pharmacologic therapy that serve as a basis for critical thinking and decision making in the planning and managing of care for individuals across the life span are examined.

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

1. Utilize principles from the biological and behavioral sciences to understand pathophysiological and psychobiological processes across the lifespan.
2. Explain relationships among pathophysiological processes, laboratory and diagnostic tests, and clinical manifestations of selected illnesses and the pharmacological treatment.
3. Identify genetic factors that influence pathophysiological and psychobiological processes in diverse clients.
4. Distinguish differences between developmental physiological alterations and pathophysiological processes.
5. Explain psychobiological processes associated with functional alterations in client's behavior.

COURSE OBJECTIVES (continued)

6. Explain the rationale for pharmacological therapies related to the physiological, pathophysiological and/or psychobiological processes occurring in the individual.

COURSE SCHEDULE

E-Learning in Canvas is the course management system that you will use for this course. E-Learning in Canvas is accessed by using your Gatorlink account name and password at <http://lss.at.ufl.edu>. There are several tutorials and student help links on the E-Learning login site. If you have technical questions call the UF Computer Help Desk at 352-392-HELP or send email to helpdesk@ufl.edu.

It is important that you regularly check your Gatorlink account email for College and University wide information and the course E-Learning site for announcements and notifications.

Course websites are generally made available on the Friday before the first day of classes.

ATTENDANCE

Students are expected to be present for all scheduled classes, other learning experiences, and examinations. Students who have extraordinary circumstances preventing attendance should explain these circumstances to the course instructor **prior** to the scheduled class or as soon as possible thereafter. Instructors will then make an effort to accommodate **reasonable** requests.

ACCOMMODATIONS DUE TO DISABILITY

Each semester, students are responsible for requesting a memorandum from the Disability Resource Center (<http://www.dso.ufl.edu/index.php/drc/>) to notify faculty of their requested individual accommodations. This should be done at the start of the semester.

COUNSELING AND MENTAL HEALTH SERVICES

Students may occasionally have personal issues that arise on the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling and Wellness Center, 352-392-1575, visit their web site for more information: <http://www.counseling.ufl.edu/cwc/>.

STUDENT HANDBOOK

Students are to refer to the College of Nursing Student Handbook for information about College of Nursing policies, honor code, class demeanor and professional behavior. <http://nursing.ufl.edu/students/student-policies-and-handbooks/>.

ACADEMIC HONESTY

The University of Florida Student Conduct and Honor Code may be found at <http://www.dso.ufl.edu/index.php/sccr/process/student-conduct-honor-code/>

TOPICAL OUTLINE

1. Cellular metabolism and genetic basis of health

TOPICAL OUTLINE (continued)

2. Fluid and electrolytes
3. Acid/base balance
4. Alterations in physiological systems
 - a. Hematopoietic system
 - b. Immune system
 - c. Cellular proliferation
 - d. Circulatory system
 - e. Pulmonary system
 - f. Digestive system
 - g. Endocrine system
 - h. Renal system
 - i. Reproductive systems
 - j. Neurological system
 - k. Musculoskeletal system
 - l. Integumentary system
5. Alterations in cognition, perception and affect

TEACHING METHODS

Lecture, audiovisual materials, written materials, and presentation of case studies.

LEARNING ACTIVITIES

Readings, participation in discussion, case study analysis, and study questions.

EVALUATION METHODS/COURSE GRADE CALCULATION

4 Unit Tests	17.5%
<u>Final</u>	<u>30%</u>
Total	100%

Feedback on all graded assignments routinely is given within 10 working days of the due date.

MAKE UP POLICY

Requirements for make-up exams, assignments, and other work in this course are consistent with University policies that can be found in the online catalog at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

GRADING SCALE/QUALITY POINTS

A	95-100 (4.0)	C	74-79* (2.0)
A-	93-94 (3.67)	C-	72-73 (1.67)
B+	91-92 (3.33)	D+	70-71 (1.33)
B	84-90 (3.0)	D	64-69 (1.0)
B-	82-83 (2.67)	D-	62-63 (0.67)
C+	80-81 (2.33)	E	61 or below (0.0)

* 74 is the minimal passing grade

For more information on grades and grading policies, please refer to University's grading

policies: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

FACULTY EVALUATION

Students are expected to provide feedback on the quality of instruction in this course based on ten criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu>.

REQUIRED TEXTBOOKS

McCance, K.L., & Huether, S. E. (2014). *Pathophysiology: The biologic basis for disease in adults and children* (7th ed.). St. Louis: Mosby/Elsevier.

Vallerand, A. H., Sanoski, C. A., & Deglin, J.H. (Eds.). (2013). *Davis's drug guide for nurses* (13th ed.). Philadelphia, PA: F. A. Davis Co.

WEEKLY CLASS SCHEDULE

DATE	TOPIC/EVALUATION	ASSIGNMENTS/READINGS	FACULTY

Approved: Academic Affairs Committee: 07/14
General Faculty: 07/14
UF Curriculum Committee: