

# Cover Sheet: Request 12180

## NUR3XXX Pathophysiology/Pharmacology in Nursing 1

### Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Cecile Kiley ckiley@ufl.edu
Created	12/19/2017 11:30:18 AM
Updated	12/20/2017 12:57:02 PM
Description of request	This is an upper division first semester course in the nursing undergraduate program. This new course is part of the redevelopment of our undergraduate program.

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	NUR - Nursing 313101000	Cecile Kiley		12/20/2017
No document changes					
College	Approved	NUR - College of Nursing	Cecile Kiley		12/20/2017
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			12/20/2017
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

## Course|New for request 12180

### Info

**Request:** NUR3XXX Pathophysiology/Pharmacology in Nursing 1

**Description of request:** This is an upper division first semester course in the nursing undergraduate program. This new course is part of the redevelopment of our undergraduate program.

**Submitter:** Cecile Kiley ckiley@ufl.edu

**Created:** 12/19/2017 10:51:49 AM

**Form version:** 1

### Responses

**Recommended Prefix**NUR

**Course Level** 3

**Number** XXX

**Category of Instruction** Intermediate

**Lab Code** None

**Course Title**Pathophysiology/Pharmacology in Nursing 1

**Transcript Title**PATHO/PHARM IN NRS 1

**Degree Type**Baccalaureate

**Delivery Method(s)**4637On-Campus

**Co-Listing**No

**Co-Listing Explanation**Not applicable

**Effective Term**Fall

**Effective Year**2018

**Rotating Topic?**No

**Repeatable Credit?**No

**Amount of Credit**4

**S/U Only?**No

**Contact Type** Regularly Scheduled

**Weekly Contact Hours** 4

**Course Description** This course is part one of a two semester sequence for pre-licensure students examining pathophysiology and pharmacology of human illness in diverse groups of individuals across the lifespan. Emphasis is on alterations in homeostatic mechanisms and underlying bases for disease risk/manifestations. Corresponding pharmacokinetics, pharmacodynamics and pharmacogenetic principles will be included.

**Prerequisites** Admission to the Nursing Program

**Co-requisites** None

**Rationale and Placement in Curriculum** This is an upper division first semester course in the nursing undergraduate program. This new course is part of the redevelopment of our undergraduate program.

**Course Objectives** 1. Utilize principles from the genetic and biobehavioral sciences to explain the relationship between pathophysiological processes, diagnostic tests, and clinical manifestations and corresponding pharmacotherapeutics of selected alterations.

2. Distinguish differences between developmental physiological alterations and pathophysiological processes.

3. Interpret the general principles of pharmacotherapeutics, pharmacokinetics, pharmacodynamics, and pharmacogenetics/genomics in wellness promotion and illness prevention and treatment.

4. Apply the principles of the safe medication management process identifying the responsibilities and standards of care for the professional nurse.

5. Differentiate factors such as age, developmental level, psychosocial, cultural, environmental, and genetic considerations and how these may affect an individual's physiologic response.

6. Apply legal, ethical, and cultural parameters of medication teaching, administration and

adherence

**Course Textbook(s) and/or Other Assigned Reading** McCance, K.L. & Huether, S.E. (2014). Pathophysiology: The Biologic basis for disease in adults and children, (7th ed.). St. Louis: Elsevier/Mosby.

Lilley, L., Collins, S. R., Snyder, J. (2015). Pharmacology and the Nursing Process (8th ed.). St. Louis: Elsevier/Mosby.

**Weekly Schedule of Topics** Weeks 1-4 Genetics, Cellular Metabolism, General Principles of Pharmacology-Pharmacodynamics, Pharmacokinetics, Pharmacotherapeutics, Pharmacogenetics, Legal, Ethical & Cultural issues.

Weeks 5-8 Acid Base, Fluid/Electrolytes; Medication Calculation and Administration Concepts, Safety, Technology Systems, Education, Legal, Ethical & Cultural issues

Weeks 9-12 Hematopoietic system and medications, Immunology, Antiinfectives, immunomodulators, Legal, Ethical & Cultural issues

Weeks 13-15 Circulatory, Blood Products, Clotting Factors, Legal Ethical & Cultural issues

**Links and Policies** Please see the College of Nursing website for student policies (<http://students.nursing.ufl.edu/currently-enrolled/student-policies-and-handbooks/>) and a full explanation of each of the university policies - <http://nursing.ufl.edu/students-2/student-policies-and-handbooks/course-policies/>

Attendance

UF Grading Policy

Accommodations due to Disability

Religious Holidays

Counseling and Mental Health Services

Student Handbook

Faculty Evaluations

Student Use of Social Media

<b>Grading Scheme</b>	Exams	45%
Case Studies	25%	
Cumulative final exam	30%	
	100%	

Progression in the College of Nursing baccalaureate program requires that students maintain a "C" or above and a satisfactory grade in clinical practice for all required nursing courses.

<https://con-main.sites.medinfo.ufl.edu/files/2011/05/S2.03-Academic-Progression-for-Baccalaureate-Degree-Students.pdf>

Students who fail to maintain a "C" grade or satisfactory in a clinical courses must complete an out-of-sequence petition in order to create a program improvement plan: <https://con-main.sites.medinfo.ufl.edu/files/2011/05/S2.15-Out-of-Sequence-Progression.pdf>

**Instructor(s)** To Be Determined