UNIVERSITY OF FLORIDA

COLLEGE OF NURSING

COURSE SYLLABUS

Summer 2020

COURSE NUMBER NUR 3196 sections 8D40, 8D42, and 8D35

COURSE TITLE Pathophysiology/Pharmacology in Nursing 1

CREDITS 04

PREREQUISITES Admission to the Nursing Program

COREQUISITES None

FACULTY Anne C. Dillard, DNP, RN, AGCNS-BC

Clinical Assistant Professor

Section: 8D40

Office: HPNP 3231

(352) 273-6366

Office hours: Thursdays, 1300-1500 hours and by appointment

[acdillard@ufl.edu](mailto:acdillard@ufl.edu)

Jennifer C. Vendt DNP, APRN, CPNP-PC, PHC

Clinical Assistant Professor

Section: 8D35, 8D42

Office: HPNP 4219

(352) 273-6512

(904) 718-6109 (cell)

Office hours: Tuesdays 1300-1500 hours and by appointment

[jvend001@ufl.edu](mailto:jvend001@ufl.edu)

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.

COURSE OBJECTIVES

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

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 SCHEDULE

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Instructor** | **Day of the week** | **Time** |
| 8D35 (JAX) | Vendt | Thursday | 0800-1200 |
| 8D40 (GNV) | Dillard | Monday | 0800-1200 |
| 8D42 (GNV) | Vendt | Tuesday | 0800-1200 |

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://elearning.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](mailto: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.

TEACHING METHODS

* Canvas Videos
* Collaborative Classroom Activities
* Simulated Clinical Practice
* Interactive Learning Platforms
* TopHat

LEARNING ACTIVITIES

* Pre-class activities - Canvas Learning Bursts
* Reading assignments
* CLIC Math Dosage Calc 360
* MyLab for Pharmacology assignments (Pearson e-resource)
* Discussion forums
* Individual and team in-class assignments

EVALUATION METHODS/COURSE GRADE CALCULATION

|  |  |
| --- | --- |
| Exam 1 | 15% |
| Exam 2 | 15% |
| Exam 3 | 15% |
| Partners in Patho | 15% |
| MyLab assignments/Case studies | 7.5% |
| CLIC Math Dosage Calc 360 | 7.5% |
| Participation | 10% |
| Final Exam | 15% |
| Total | 100% |

**Be advised that exams delivered online will be monitored by remote proctoring services.**

*Course Average*

For Summer C, 2020, students must earn an average of 74% on all required course work (exams and assignments) to pass the course. No grades will be rounded including the exam scores and the final course grade.

GRADE ROUNDING

No grades will be rounded including exam averages and final course grade.

CLASS ATTENDANCE AND MAKEUP POLICY

Collaborative learning is an essential component of this course; therefore, attendance is expected at all scheduled class and laboratory sessions. Advanced notice of absence is expected. In general, acceptable reasons for absence from or failure to participate in class include illness, serious family emergencies, special curricular requirements (e.g., professional conferences **with advanced notice**), military obligation, severe weather conditions, religious holidays, and participation in official university activities. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) are excused. Makeup assignments for excused absences will be negotiated with the instructor. **If at all possible**, the course instructor must be notified in advance if an exam is missed due to an extenuating circumstance. If no notice is given or without prior approval of an absence for a reason listed above, a grade of zero will be assigned. Students may not opt out of any exams.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

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

LATE ASSIGNMENTS

Students are expected to plan in advance and submit assignments by posted due dates. Students will receive a zero on a late assignment. Accommodations will only be provided for excused absences.

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>

COURSE EVALUATION

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

ACCOMMODATIONS DUE TO DISABILITY

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

PROFESSIONAL BEHAVIOR

The College of Nursing expects all nursing students to be professional in their interactions with clients, colleagues, faculty, and staff and to exhibit caring and compassionate attitudes. These and other qualities will be evaluated during client contacts and in other relevant settings by both faculty and peers. Behavior of a nursing student reflects on the student's individual’s ability to become a competent professional nurse. Attitudes or behaviors inconsistent with compassionate care, refusal by, or inability of the student to participate constructively in learning or client care; derogatory attitudes or inappropriate behaviors directed at clients, peers, faculty or staff, misuse of written or electronic client records (e.g., accession of client information without valid reason), substance abuse, failure to disclose pertinent information on a criminal background check, or other unprofessional conduct can be grounds for disciplinary measures including dismissal.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <https://sccr.dso.ufl.edu/process/student-conduct-code/>.  Students are required to provide their own privacy screen for all examinations administered to student laptops. No wireless keyboards or wireless mouse/tracking device will be permitted during examinations.

University and College of Nursing 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://students.nursing.ufl.edu/currently-enrolled/course-syllabi/course-policies>)

Attendance

UF Grading Policy

Religious Holidays

Counseling and Mental Health Services

Student Handbook

Faculty Evaluations

Student Use of Social Media

REQUIRED TEXTBOOKS

Adams, M., Holland, N. & Urban, C. (2020). *Pharmacology for nurses: A pathophysiological approach (6th Ed.).* Pearson.

Ackley, B., Ladwig, G. & Makic, M. (2019). *Nursing diagnosis handbook. An evidence-based guide to planning care (12th Ed.).* Elsevier.

Heuther, S., McCance, K., Brashers, V. & Rote, N. (2017). *Understanding pathophysiology (7th*  *Ed.).* Elsevier.

Martinez de Castillo, S. & Werner-McCullough, M. (2019). *Dosage Calculations 360* (e-text resource). FA Davis.

*My Lab for Pharmacology for nurses*. Access code card. (e-resource to support textbook). Pearson.

CLASS SCHEDULE

| **Dates** | **Module** | **Topic** | **COURSE OBJECTIVE**  **(Program Outcome)** |
| --- | --- | --- | --- |
| WEEK OF 5/11/2020 | **Module 1** | **INTRO TO PATHOPHARM WEEK 1** | 4,6 (1,3) |
| 5/18/2020 | **Module 2** | **INTRO TO PATHOPHARM WEEK 2** | 1,3,4,5, 6 (1,3,4) |
| 5/25/2020 | **Module 3** | **STRESS and DISEASE** | 1,4 (1) |
| 6/1/2020 | **Module 4** | **COAGULATION AND CARDIOVASCULAR** | 1,2,3,4,5,6,7 (1,3,4,8) |
| 6/5/2020 | **EXAM 1**  **(MODULES 1, 2, AND 3)** | | |
| 6/8/2020 | **Module 5** | **RESPIRATORY** | 1,2,3,4 (1,2,3) |
| 6/15/2020 | **Module 6** | **FLUIDS AND ELECTROLYTES** | 1,5 (1,3) |
| 6/19/2020 | **EXAM 2**  **(MODULES 4 AND 5)** | | |
| 6/22/2020 | **SUMMER BREAK** | | |
| 6/29/2020 | **SUMMER BREAK** | | |
| 7/6/2020 | **Module 7** | **RENAL** | 1,3,4 (1,3,4,5) |
| 7/13/2020 | **Module 8** | **INFLAMMATION AND IMMUNITY** | 1,3,4,5 (1,3,4) |
| 7/20/2020 | **Module 9** | **NUTRITION, COMPLEMENTARY AND ALTERNATIVE MEDICINE, PAIN** | 1,3,4,5 (1,3,4) |
| 7/24/2020 | **EXAM 3**  **(MODULES 6 AND 7)** | | |
| 7/27/2020 | **Module 10** | **INFECTIONS – WEEK 1** | 1,3,4,5 (1,3,4) |
| 8/3/2020 | **Module 11** | **INFECTIONS – WEEK 2** | 1,3,4,5(1,3,4) |
| 8/14/2020 | **Comprehensive Final** | | |

|  |  |  |
| --- | --- | --- |
| Approved: | Academic Affairs Committee:  General Faculty:  UF Curriculum Committee: | 12/17 |