

Clackamas Community College

Online Course/Outline Submission System

 Show changes since last approval in red

Print

Edit

Delete

Back

Reject

Publish

Section #1 General Course Information**Department:**Nursing**Submitter**

First Name: Sarah

Last Name: Morris

Phone: 0658

Email: sarahm

Course Prefix and Number:NRS - 230

Credits:3**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title:Clinical Pharmacology I**Course Description:**

This course introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics, as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, understanding of pharmacokinetics and pharmacodynamics, developmental physiologic considerations, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. Drugs are studied by therapeutic or pharmacological class using an organized framework.

Type of Course:Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s):Nursing AAS

Are there prerequisites to this course?

Yes

Pre-reqs:BI-231, BI-232, BI-233, BI-234,NRS-110, NRS-110C

Have you consulted with the appropriate chair if the pre-req is in another program?

No

Are there corequisites to this course?

Yes

Co-reqs:NRS-111, NRS-111C, NRS-232

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

Yes (A 'Yes' certifies you have talked with the librarian and have received approval.)*

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F Only

Audit:No

When do you plan to offer this course?

✓ **Winter**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes**Student Learning Outcomes:**

Upon successful completion of this course, students should be able to:

1. use current, reliable sources of information to access pertinent information about drugs and natural products, focusing on:
 - a. identify appropriate reliable sources of information in specific nursing situations,
 - b. use a current comprehensive drug information source to demonstrate accurate rapid retrieval of pertinent information;
 2. evaluate the effectiveness of drug therapy, focusing on:
 - a. selection and interpretation of basic focused nursing assessments to detect therapeutic effects, side effects and adverse reactions, and drug-drug, drug-food, and drug-natural product interactions for specific classes of drugs;
 - b. surveillance for vulnerability to negative effects of specific classes of drugs based on age, developmental physiology, and concurrent pathophysiology, psychopathology or other factors;
 3. teach patients, family members, and others from diverse populations regarding safe and effective use of drugs and natural products, focusing on:
 - a. self-management of specific classes of over-the-counter and prescription drugs that are used episodically,
 - b. self-management of specific classes of drugs that are taken for chronic conditions,
 - c. how the action of specific classes of drugs relates to developmental, maturational, aging, neurochemical, and pathophysiological processes, or normal physiology;
 - d. which side/adverse effects of specific classes of drugs and natural products to self-manage and which ones to report to health professionals, and how to avoid or recognize drug-drug, drug-food, and drug-natural product interactions with specific classes of drugs;
 4. identify appropriate nursing interventions to increase therapeutic benefits and reduce potential negative effects of drug therapy, focusing on:
 - a. identification of basic non-pharmacological nursing interventions that potentially enhance the effectiveness of specific classes of drugs and assessment of barriers to adherence to drug therapy with specific classes of drugs,
 5. communicate appropriately with other health professionals regarding drug therapy, focusing on:
 - a. using appropriate technical language related to pharmacology,
 - b. explaining drug mechanisms of action and their relationship to normal physiology, and reporting pertinent information about an individual's response to specific classes of drugs or natural products.
-

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Safe, effective care related to drugs and natural products.
2. Reliable resources for information regarding medication administration.
3. Pharmacokinetics and pharmacodynamics.
4. Physiological considerations of medication administration.
5. Pharmacological classifications of medications.
6. Mathematics surrounding medication administration.
7. Polypharmacy, lifespan considerations, over the counter medications, immunomodulated medications, analgesics (non-opioids/opioids), antimicrobials, cardiovascular, endocrine medications.

Does the content of this class relate to job skills in any of the following areas:

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course:0%

First term to be offered:

Specify term: Winter 2015
