

NS205 : Essentials Of Medication Administration

General Information

Author:	<ul style="list-style-type: none"> Catherine Dudley
Course Code (CB01) :	NS205
Course Title (CB02) :	Essentials Of Medication Administration
Department:	NS
Proposal Start:	Fall 2024
TOP Code (CB03) :	(1230.10) Registered Nursing
CIP Code:	(51.3801) Registered Nursing/Registered Nurse.
SAM Code (CB09) :	Advanced Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000306388
Curriculum Committee Approval Date:	02/28/2024
Board of Trustees Approval Date:	04/16/2024
Last Cyclical Review Date:	02/28/2024
Course Description and Course Note:	NS 205 introduces the foundational concepts of pharmacology and the nurse's role in safe medication administration.
Justification:	Content Change
Academic Career:	<ul style="list-style-type: none"> Credit
Author:	<ul style="list-style-type: none"> Catherine Dudley

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"> Nursing
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08) Course is not a basic skills course.	Course Special Class Status (CB13) Course is not a special class.	Grading Basis <ul style="list-style-type: none"> Grade with Pass / No-Pass Option
<input checked="" type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	Pre-Collegiate Level (CB21) Not applicable.	Course Support Course Status (CB26) Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07) 0.5

Maximum Credit Units (CB06) 0.5

Total Course In-Class (Contact) Hours 27

Total Course Out-of-Class Hours 0

Total Student Learning Hours 27

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience

Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	0	0
Laboratory Hours	1.5	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	0
Laboratory	27
Studio	0
Total	27
Course Out-of-Class Hours	
Lecture	0
Laboratory	0
Studio	0
Total	0

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name

Type

In Class

Out of Class

No Value

No Value

No Value

No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

Selection for enrollment in Registered Nursing Program

AND

Advisory

LIB100 - Critical Approaches to Information Research

Objectives

- Recognize the information cycle as a community conversation that may include primary, secondary, popular, peer-reviewed, and other source types.
- Formulate a research question to guide inquiry.
- Design and use search strategies by brainstorming key words, refining search terms, and using advanced limiters in different systems.
- Distinguish between different source types, understanding the characteristics of various publication practices, purposes, audiences, and formats.
- Assess sources for credibility, considering indicators such as authority, currency, accuracy, point of view, purpose, evidence and the context of how information is produced.
- Recognize that critical assessment of information is an empowering practice that furthers civic engagement in a democratic society.
- Use citation and attribution to give credit to the ideas and work of others.
- Recognize underlying factors (racial, ethnic, gendered, linguistic, and socioeconomic) that impact inequities in the access to and the creation of information sources.

Entry Standards

Entry Standards

Utilize knowledge of anatomy and physiology and basic chemistry in understanding the pharmacokinetics and pharmacodynamics of medications; locate and retrieve information, evaluate information.

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction Lecture

Methods of Instruction Laboratory

Methods of Instruction Collaborative Learning

Methods of Instruction Other

Out of Class Assignments

- Web-based research/learning (e.g. modules)
- Written Paper
- Group Assignment

Methods of Evaluation

Rationale

Exam/Quiz/Test

Quizzes

Exam/Quiz/Test

Dosage calculation test (pass/fail)

Exam/Quiz/Test

Evaluation of workbook assignments

Exam/Quiz/Test

Examinations

Exam/Quiz/Test

Final Examination

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
McCustion, Vuljoin DiMaggio, Winton,& Yeager	Pharmacology: A Patient-Centered Nursing Process Approach	Elsevier	2023	9780323793155

Other Instructional Materials (i.e. OER, handouts)

Description Nursing Student Handbook

Author Department of Nursing

Citation No value

Online Resource(s)

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Recognize how diverse patient values, beliefs, and attitudes affect health and the plan of care for patients receiving medications.

Identify safety protocols for systems improvement in the delivery of nursing practice related to medication administration.

Identify evidence-based practice in pharmacological nursing management.

Identify leadership behaviors in the delivery of nursing care for patients on pharmacological therapy.

Identify communication and collaboration techniques as a member of the healthcare team in the delivery of nursing care for patients on pharmacological therapy.

Retrieve information using technology for the delivery of nursing care for patients on pharmacological therapy.

SLOs

Describe basic knowledge of pharmacology and the nurse's role in safe medication administration.

Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Interpret medication orders, as evidenced by scoring 90% or better on the Medication Competency Exam.

Expected Outcome Performance: 70.0

ILOs Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions;
Core cultivate creativity that leads to innovative ideas.
ILOs

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

No value

Laboratory/Studio Content

General Introduction to Pharmacology (2 hours)

- Overview of course
- Terminology and drug nomenclature
- Regulations and standards
- Historical perspectives

Pharmacokinetics (3 hours)

- Drug absorption
- Drug distribution
- Drug metabolism
- Drug excretion
- Other factors

Pharmacodynamics (4 hours)

- Mechanisms of action
- Drug-receptor and drug-enzyme interaction
- Drug receptors
- Outcome of drug action
- Dose-response curve
- Potency
- Efficacy
- Bioavailability
- Therapeutic index

Pharmacotherapeutics (4 hours)

- Types of drug therapy
- Factors influencing therapy choice
- Clinical responses – individual patient lifestyle, history of substance abuse, illness, and cultural influencing factors
- Drug interactions-Adverse Drug Reactions

Nursing Process and Drug Therapy (4 hours)

- Importance of use of nursing process and critical thinking
- Use of Information Technology and Credible Nursing Medication Resources

Nursing Responsibilities (4 hours)

- Documentation
- Communication – working in interprofessional teams
- Patient Protection and Safety
- Medication Error Prevention and Reduction
- Sentinel events
- Legal, ethical, and social considerations of nursing pharmacology

Patient-Centered Care: Medication Competency (6 hours)

- Medication Administration
- Dosage Calculations
- Military time
- Drug labels
- Transcription of orders
- Equipment
- Ratio and proportion

- Dosage calculation – oral and injectable
- Intravenous calculations
- Insulin drug calculation
- Documentation
- Using evidence-based practice principles in medication administration

Total hours: 27

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

Yes

If yes, in what areas were these changes made:

- Course Content

Will any additional resources be needed for this course? (Click all that apply)

No Value

If additional resources are needed, add a brief description and cost in the box provided.

No Value