

New Course Proposal

Prepare course proposal in accordance with the guidelines below and the format shown on the following pages.

22-23-15

COURSE PROPOSAL NUMBER: Click or tap here to enter text.

REVISION (label Revision #1, #2, etc.): Click or tap here to enter text.

SECTION 1: PROPOSAL INFORMATION

Name:	Deborah Struth, PhD, RN
Title:	Assistant Professor
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Phone Number:	304-367-4761

College:	College of Nursing
Department:	ASN Program: Traditional and Weekend Hybrid
Program Level:	Undergraduate
Date Originally Submitted:	10/28/2022
Implementation Date Requested:	8/21/2023

APPROVAL

The Deans of the affected colleges must sign below to indicate their notification and departmental support of this new course proposal. Should this new course affect any other department or program in another college, a memo must be sent to the Dean of each college impacted and a copy of the letters(s) of support must be included with this proposal.

By signing below, you are indicating your college and department(s)'s approval of this proposal.

College	Dean's Signature
College of Nursing	<i>Saura Clayton</i>

ADDITIONAL COMMENTS: This proposal combines three (3), 1-credit pharmacology courses required in the second third and fourth term of the Traditional and Wknd ASN program into one 3 credit requirement in the second semester of these programs. The LPN-ASN bridge program already offers a 3 credit pharmacology course in the second semester of that curriculum.

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SECTION 2: COURSE CATALOG INFORMATION

1. Course Subject Prefix and number (e.g., ENGL 1101): Course number/prefix combinations may be used only once, and <u>may not be recycled</u> ; please check with the Registrar's Office to get a list of available, valid course numbers.	NURS 1118
2. Course Title: The title of the course as it will appear in the course catalog.	Pharmacology and Nursing Process
3. Number of Credit Hours: Indicate the total number of credit hours for the course. If you are proposing a course with variable credit options, explain that here.	3
4. Repeatability (number of repeat credit hours): Students can repeat the course for credit.	Yes, 3 credits
5. Course Prerequisites: Include subject prefix and course number. List only immediate prerequisites (not prerequisites for other prerequisite courses).	NURS 1101, BIOL 1180
6. Course Co-requisites: Include subject prefix and course number.	NURS 1108, NURS 1100 Dosage Calculations
7. Course Cross-listings (e.g., PSYC 2230 and SOCY 2230)	
8. Course Restrictions (e.g., Seniors only)	
9. Grade Type: Indicate whether students will be assigned a standard A-F final grade, a Pass/Fail (P/F) grade, or No Grade (NG).	Standard A-F final grade
10. Requirements: Will the course be a required or elective course? What course requirements will this course satisfy? Indicate specific major, minor, or College/Department requirement(s).	Requirement of the ASN programs – traditional and weekend
11. Course Terms: In what semester(s) will the course be offered? (e.g., Fall only, Summer)	Fall and Summer Tern
12. Writing Intensive: Does this course fulfill the Writing Intensive major requirement?	No
13. Core Curriculum: Will the course be reviewed and considered as a University Core Curriculum course offering? If yes, you will need to submit a separate Core Curriculum application to the General Studies Committee.	No

SECTION 3: CURRICULUM-BASED RATIONALE

What is the reason for developing the proposed course? Explain how the course fits into the curriculum. For example, is it a required or elective course for any specific program (if so, which one)? Which students will be taking this course? If there are already similar courses offered, explain why the needs of the program cannot be satisfied by an existing course. The curriculum-based rationale should be brief and to the point.

3 credits of pharmacology for nursing practice is a requirement of the West Virginia Board of Registered Nurses (WVBORN) and Commission on Collegiate Nursing Education (CCNE)

SECTION 4: ATTACH THE FOLLOWING SYLLABUS COMPONENTS:

Catalog Course Description: Include a course catalog description written in complete sentences that will be published in the university catalog. The word length for a catalog description should be less than 80 words. Do not include any prerequisites, corequisites or any other restrictions in the description.

“This course focuses on the multidisciplinary science of pharmacology and pharmacotherapeutics. Content Includes drug classifications, indications, adverse effects, age-related variables, and nursing implications. Safe medication administration will be emphasized with consideration given to person-centered responses and patient/family teaching for specific drugs.”

Course Learning Outcomes: These should be stated in terms of what new knowledge and/or skills students should be able to demonstrate upon successful completion of the course. Present course learning outcomes as a bulleted list predicated with

“Upon successful completion of the Pharmacology course, the student will be able to achieve learning outcomes within the framework for nursing in the associate of science of nursing degree:

Concepts	Outcome(s)
Human Flourishing	1) Describe terms, concepts, and pharmacodynamics processes associated with physiologic effects, side-effects, adverse effects, toxicity and overdoses, and drug interactions associated with pharmacotherapy. 2) Identify the role of drug therapy in relation to health promotion, disease prevention and management across the lifespan.
Nursing Judgment	3) Utilize critical thinking processes to apply knowledge of pharmacology to plan safe and effective drug therapy. 4) Evaluate the clinical response to medication therapy.
Professional Identify	5) Describe the role of the nurse in medication administration, monitoring effects and patient & family teaching. 6) Describe the legal and regulatory considerations related to medication administration.
Spirit of Inquiry	7) Identify appropriate sources of drug information.

Assessment: Describe generally how students’ achievement of the course learning outcomes will be assessed.

Course Learning Outcomes	Assessments Methods
Describe terms, concepts, and pharmacodynamics processes associated with physiologic effects, side-effects, adverse effects, toxicity and overdoses, and drug interactions associated with pharmacotherapy.	Unit examinations. Case studies with and without quizzes. Simulation.
Identify the role of drug therapy in relation to health promotion, disease prevention and management across the lifespan.	Unit examinations. Age-specific patient reviews/case studies. Simulation
Utilize critical thinking processes to apply knowledge of pharmacology to plan safe and effective drug therapy.	Unit examinations. Case studies with and without quizzes.
Evaluate the clinical response to medication therapy.	Unit examinations. Case studies. Simulations

Describe the role of the nurse in medication administration, monitoring effects and patient & family teaching.	Unit examinations. Patient teaching infographic development assignment. Simulation.
Describe the legal and regulatory considerations related to medication administration.	Unit examinations, case studies, reflection paper Simulation.
Identify appropriate sources of drug information.	Use of appropriate references in assignments throughout course. Simulations.

Course Outline: Attach a course content outline consisting of at least two levels.

<u>Week/Unit:</u>	<u>Date:</u>	<u>Topic(s)/Readings:</u>	<u>Graded Assignments /Due Dates</u>
1) Unit 1	Week 1	<p><u>Foundations of Pharmacology – Lilley et al., Pharmacology and the Nursing Process</u></p> <p><u>Class 1:</u> Nursing Process and Drug Therapy 1-12. Pharmacologic Principles 13-32. Lifespan Considerations 33-45.</p> <p><u>Class 2:</u> Medication Errors 60-71. Patient Education and Drug Therapy 72-83 Gene Therapy and Pharmacogenomics 94-101</p>	<p>Pharmacology and the Nursing Process – graded lesson and case study questions. Friday 11:59PM</p> <p>Sherpath Pharmacodynamics lesson – graded lesson. Friday 11:59PM</p> <p>Sherpath Medication Errors lesson – graded lesson. Friday 11:59PM</p>
2) Unit 2	Week 2	<p><u>Drugs Affecting the Central Nervous System Part 1</u></p> <p><u>Class 1:</u> CNS Depressants and Muscle Relaxants CH12 CNS Stimulants and Related Drugs CH13</p> <p><u>Class 2:</u> Antiepileptic Drugs CH14 Antiparkinsonian Drugs CH15</p>	<p>EAQs: Intermediate Mastery Level:</p> <p>CH 13 CNS Stimulants CH 14 Antiepileptic</p> <p>Sherpath Lesson: Drugs used in chronic neurologic diseases.</p> <p>All assignments due 11:59PM on Fridays</p>
3) Unit 2	Week 3	<p><u>Drugs Affecting the Central Nervous System Part 2</u></p> <p><u>Class 1:</u> Psychotherapeutic Drugs CH16 Substance Use Disorder Drugs CH17</p>	<p>EAQs: Intermediate Mastery level: CH 16 Drug Classes (4)</p> <p>Sherpath Lessons: Misused substances and Drugs to Treat SUD</p>

		Class 2: Analgesic Drugs CH10 Anesthetic Drugs CH11	All assignments due 11:59PM on Fridays
4) Unit 3	Week 4	<u>Drugs Affecting the Cardiovascular and Renal Systems</u> Class 1: <i>Unit 1 & 2 Exam (25 Points)</i> Class 2: Coagulation Modifier Drugs CH26	Sherpath Lessons for Coagulation Modifiers (4) lessons in total All assignments due 11:59PM on Fridays
5) Unit 3	Week 5	<u>Drugs Affecting the Cardiovascular and Renal Systems</u> Class 1: Antihypertensive Drugs CH22 Antianginal Drugs CH 23 Class 2: Heart Failure Drugs CH 24 Antidysrhythmic Drugs CH 25	EAQs Intermediate Mastery level for each chapter. All assignments due 11:59PM on Fridays
6) Unit 3 & 4	Week 6	<u>Class 1 - Unit 3: Drugs Affecting the Cardiovascular and Renal Systems</u> Antilipemic Drugs CH 26 Diuretic Drugs CH 27 <u>Class 2 - Unit 4: Drugs Affecting the Autonomic Nervous System</u> Sympathetic Nervous system CH 18 & 19	EAQs Intermediate Mastery level of Chapters 26 & 27 Sherpath Lesson for ANS Medications All assignments due 11:59PM on Fridays
7) Unit 5	Week 7	Class 1: <i>Unit 3 Exam (25 Points)</i> <u>Class 2 – Unit 4: Autonomic Nervous System</u> Parasympathetic Nervous System CH 20 & 21	EAQs Intermediate Mastery level of Chapters 18 & 20 All assignments due 11:59PM on Fridays
8) Unit 5	Week 8	<u>Class 1 - Unit 5: Drugs Affecting the Respiratory System</u> Antihistamines, Decongestants, Antitussives, and Expectorants CH36 Class 2 – Unit 5: Respiratory Medications CH 27	EAQs intermediate Mastery level in Chapter 27 All assignments due 11:59PM on Fridays
9) Unit 6	Week 9	Unit 6 Antiinfective and Antiinflammatory Drugs Class 1 – Unit 6: Antibiotics part 1 CH 38 Antibiotics part 2 CH39	EAQa CH 38 & 39 All assignments due 11:59PM on Fridays
10) Unit 6	Week 10	Class 1 – Unit 6: Antiviral Drugs CH 40	EAQs Intermediate Mastery Level in CH 40 & 42

		Antitubercular Drugs CH 39 Class 2 – Unit 6: Antifungal Drugs CH 42 Antiinflammatory and Antigout Drugs CH 44	Sherpath Lesson: Antiinflammatory Drugs All assignments due 11:59PM on Fridays
11) Unit 7	Week 11	Class 1: <u>Unit 5&6 Exam (25 Points)</u> Class 2 - Unit 7: <u>Drugs Affecting the Endocrine and Reproductive Systems</u> Diabetes Drugs CH 32	EAQs Intermediate Mastery Level CH 32 All assignments due 11:59PM on Fridays
12) Unit 7	Week 12	Class 1 – Unit 7: Pituitary Drugs – CH 30 Thyroid Function Drugs – CH 31 Adrenal Drugs – CH 33 Class 2 – Unit 7: Women’s health Drugs CH 34 Men’s health Drugs CH 35	EAQs Intermediate Mastery Level CH 31, CH 34 & CH35 All assignments due 11:59PM on Fridays
13) Unit 8	Week 13	Unit 8 – <u>Drugs Affecting the Gastrointestinal System and Nutrition</u> Class 1: Acid Controlling Drugs CH50 Bowel Disorder Drugs CH51 Class 2: Antiemetic and Antinausea Drugs CH 52 Vitamins and Minerals CH 53	EAQs Intermediate Mastery Level CH 50 and CH 52 All assignments due 11:59PM on Fridays
14) Unit 4	Week 14	Unit 9 – <u>Dermatologic, Ophthalmic, and Otic Drugs</u> Class 1: Dermatologic Drugs CH 56 Ophthalmic Drugs CH 57 Otic Drugs CH 58 Class 2: <u>Unit 7, 8, & 9 Exam (25 Points)</u>	EAQs Intermediate Mastery Level CH 56 & CH 57 All assignments due 11:59PM on Fridays
Finals Week	Week 15	FINAL EXAM – Tuesday	Final Comprehensive Exam (25 Points)