

**Eastern West Virginia Community and Technical College
COURSE ASSESSMENT REPORT**

Course Title and Number: NU 255 Pharmacology for Nursing	Academic Term and Year of Assessment Activity: Spring 2020
Report Submitted By: Jill Landis	Number of Students Assessed: 17
Date Report Submitted: 09/23/2020	Number of Sections Included: 1
Course Delivery Format (list all modalities used in sections assessed. Ex: web based, VDL, traditional section, hybrid course, etc.): Traditional lecture and Blackboard	

Course Role in the Curriculum

Provide a description of the role the course serves in the curriculum (i.e. general education requirement, program technical core, restricted elective, etc.). Note all as appropriate.

Pharmacology is a 16 week course designed to aid the student to develop an understanding of basic pharmacological concepts, drug actions and clinical application. The course was offered as an elective for the Associate of Applied Science Nursing Program and was offered only to 4th semester nursing students. As drug therapy is an integral part of health care, allied health students/professionals have a vital role in drug therapy and observation of the physiological changes with administration. Critical thinking skills are utilized in relationship to the use of pharmacological agents in health and illness. Patient safety, nursing actions, drug use and contraindications of each drug classification were included. Included are drugs and their actions, drug administration, calculating drug dosages, IV drug use, drug therapy in the pediatric and geriatric populations. The focus was on utilization of pharmacologicals in health care with an emphasis on various drug categories. Student learning outcomes were covered in the following ways: The uniqueness of each person and the differences in their response to medications. Dosing of medications is different depending on weight, age, renal and liver function. Medication compliance depends on the motivation, view of health, past experience with medications, cost and many other factors. Medications change and the nurse must keep abreast with the changes. Thinking critically, the nurse can help the patient obtain the maximum benefit with pharmacological agents, educations and advocacy. Blackboard was utilized for testing and for practice questions.

Previous Assessment Reports and Results

Date of Previous Assessment: Fall 2019

List of Outcomes Not Met: All Outcomes were met.

Summary of Actions Taken to Address Unmet Learning Outcomes: Append additional pages if necessary. If appending, include notation in box to "See attached".

A worksheet was added to the curriculum previously but according to the end of course survey students felt they learned more by giving medications at the hospital. The previous worksheet was not part of the Spring 2020 curriculum. Note cards were made by students on medications that were administered so that they would have them to review and study for exams.

Assessment Methods

Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.

The assessment included six exams for a total of 323 points with each exam question being worth one point each. All exams were on Blackboard. The comprehensive final was given on Blackboard and was worth 100 points. This class was held off campus at the Rural Health building at Grant Memorial Hospital. It was taught by a retired Pharmacist with support from the Nursing Department faculty as needed. Practice questions were required of the students each week and these were available on Blackboard.

Course Level Assessment Summary of Outcomes, Indicators and Results			
Add additional rows to table if necessary			
Learning Outcomes (Insert learning outcomes assessed during this cycle)	Indicator (Insert indicators used for each outcome: exam question, scoring rubric, etc. Be specific)	Percent of Correct Responses	Performance Standard Met (75%)* (yes or no)
Outcome 1: Demonstrate knowledge of drug classification, common side effects and nursing implications	The students will complete drug index cards which includes drug classifications, side-effects and nursing implications for review for clinicals and exams.	100%	Yes
Outcome 2: Critically assess a client's response to chemical therapeutic measures and describe expected outcomes with drug administration.	A 78 year old patient in the recovery room after having a lengthy surgery on his hip. As he is gradually awaking, he requests pain medication. Within 10 minutes of administration the nurse should <ul style="list-style-type: none"> A. Reassess pain level B. Intubate and ventilate C. Narcan IVP D. Close observation of signs of opioid tolerance Answer is A.	100%	Yes
Outcome 3: Discuss drug development, significances of scheduling drugs and federal control.	During discharge patient teaching, the nurse reviews prescriptions with a patient. Which statement is correct about refills for an analgesic that is classified as Scheduled C-II? <ul style="list-style-type: none"> A. No prescription refills are permitted, a new prescription must be written each month. B. One refill is allowed if marked on the prescription. C. May be written for a three month supply D. Written prescriptions expire in 12 months Answer is A	94.12%	Yes
Outcome 4: Describe age, sex, body weight, body surface area, basal metabolic rate, disease states, genetic factors, placebo effect, time	When discussing dosage calculation for pediatric patients with a clinical pharmacist, the nurse notes that which type of	88.23%	Yes

<p>of administration and tolerance on drug effects on the human body.</p>	<p>dosage calculation is used the most? A. West nomogram B. Clark rule C. Height to weight ratio D. Milligram/kilogram of body weight formula</p> <p>Answer is D</p>		
<p>Outcome 5: Explain drug absorption, distributions, metabolism and excretions of medications.</p>	<p>The nurse is administering medications to the patient who is in renal failure resulting from end-stage renal disease. The nurse is aware that patients with kidney failure would most likely have problems with which pharmacokinetic phase? A. Absorption B. Distribution C. Metabolism D. Excretion</p> <p>Answer is D</p>	<p>76.47%</p>	<p>Yes</p>

* Please note if using a different minimum performance standard.

<p>Assessment Results</p> <p>Provide a summary of results including tables/charts. Incorporate information from previous assessments as appropriate. Append additional pages if necessary. If appending, include notation in box to “See attached”.</p>
<p>All 17 students successfully completed this course with an 80% or greater. 100% of the Student learning outcomes were measured. All of the drug classifications were covered in the class, practice exams and exams. This class had been taught previously by Nursing faculty and this class was taught by a Registered Pharmacist. This class has only been available to nursing students, but will be offered in the catalog for the future to all students depending on interest. There will be other electives that the nursing students will be allowed to take to fulfill the general electives for their degree.</p>

<p>Conclusion</p> <p>Provide a brief summary of conclusions derived based on analysis of data. Append additional pages if necessary. If appending, include notation in box to “See attached”.</p>
<p>This class was taught by a retired pharmacist for this cohort. It was offered one day a week face to face at the Rural Health Building at GMH. The other day was online practice questions and assignments. Students realized the importance of the class to help with the NCLEX with the understanding that 18% of the exam is dealing with Pharmacology. ACEN questioned that this should be a general education class as it was mentioned in the college catalog. Instead of it being offered to only nursing students, it should be offered to all students. To be in compliance with ACEN, this class will no longer be offered to only nursing students, it will be offered to all students. This class will fulfill the general elective of the nursing degree. Nursing students will be strongly encouraged to take this class as it will fulfill a requirement for their BSN degree in nursing. It will be changed to AH 255 instead of NU 255 in the college catalog. It will remain in the college catalog and will be available to all students if enough interest. This change is due to the nursing accreditation ACEN visit in the Spring</p>

of 2020. This change will be implemented for the next cohort. This change will keep the nursing program in compliance with ACEN.

Action Plan and Date for Reassessment

Identify action plan for improvement or maintaining current performance levels including outcomes identified for re-assessment, curriculum revision, LOT proposal, new or revised course activities to reinforce learning outcomes, etc. Append additional pages if necessary. If appending, include notation in box to “See attached”.

Date for reassessment: This class NU 255 Pharmacology will be in the catalog as AH 255 in the future. It will be presented to the Curriculum Meeting soon as mandated by ACEN. Nursing students will no longer be required to take but it will fulfill the credits that is needed for their general electives and if they pursue a BSN degree. It will be assessed the next time that it is taught but unsure of that date at this time.

**Assessment Committee Recommendation/Approval
(To be posted by Assessment Committee Chair)**

- Approved as presented
- Approved with recommendations for future reports – Learning outcomes with performance percentages just clearing the 75% benchmark should be addressed in the action plan for future reports, with an eye towards improving in that area.
- Resubmission Required. Reason for Resubmission:
Date: 11/16/2020