

Eastern West Virginia Community and Technical College
COURSE ASSESSMENT REPORT

Course Title and Number: NU 132 Drug and Dosage Calculations I	Academic Term and Year of Assessment Activity (Ex: Fall, 2014) Fall, 2016
Report Submitted By: Eleanor Berg	Number of Students Assessed: 20
Date Report Submitted: 12/8/2016	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 15 week instruction	

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.
<p>The course is designed to enhance the nursing student's ability to read, interpret, and solve dosage calculation problems. Critical thinking skills are applied to medication situations to emphasize the importance of accuracy and the avoidance of medication errors.</p> <p>Topics will include: a thorough review of ratio and proportion and dimensional analysis, fractions, decimals and percent; conversion of measures within the same system of measurement and between different systems of measurement; and calculating safe drug dosages and intravenous fluid administration.</p> <p>The course is part of the fulfillment of the general education for Math. The course prepares students for successfully passing math competencies in other nursing courses.</p>

Assessment Methods
Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.
<p>A quiz was given weekly for a total of 244 points which included the final which was worth 50 points. The students had to receive at least a 90% on the final and if below the benchmark, were given a second exam of comparable difficulty. The final exam was also utilized as a competency math exam in NU 134 which was the reason a student was required to score a 90% or above. 20 of the 20 students scored a 90% or above on the first attempt. The program student learning outcomes, the course learning objects and the general education goals were matched with exams and quizzes. 88.6% of the course learning objectives was measured.</p>

Assessment Results
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>100% of the students passed the final with a 90% or higher which was an improvement over the last</p>

cohort which was 88.8% on the first attempt. Of the 105 student learning objects and course learning objects, 88.6% were measured on the quizzes or the final. This was up from 78% with the previous cohort. The students were given a “never forget the rest of your life” handout in the syllabus and was discussed in lecture. One was demonstrated in the classroom with different colored Kool-Aid and water to determine concentration and compatibility of medications. 100% of the students completed the course with a 92% or higher.

Course Level Assessment Summary of Outcomes, Indicators and Results Course Title and Number: Number of students in assessment sample = Number of Sections in Assessment = 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	Percent of Incorrect Responses	Performance Standard Met (75%)* (yes or no)
Outcome 1: Professional Identify: Recognize with assistance of the use of the nursing process of the holistic model in the assessment, analysis, planning, implementation and evaluation of nursing care for clients.	List the seven rights of medication administration. Right patient. Right medication. Right route. Right dose. Right time. Right to refuse. Right documentation.	100%	0%	yes
Outcome 2: Human Flourishing: Recognize patient centered care that is respectful of and receptive to individual patient preferences, needs and values.	Miss Dehydration is a 9 month old who has been vomiting and has had diarrhea for four days. She is as a direct admission to the Pediatric Unit. She weighs 22 lbs. and the mother states that she weighed 24 lbs. only 1 week ago during a well visit. To rehydrate, the physician orders an IV of Normal Saline. He wants you to give 100 mL/kg. How many mL does he want you to give? 1000mL	100%	0%	yes
Outcome 3:	What is the reason that a nurse	100%	0%	yes

Nursing Judgment: Recognize with assistance the use of the nursing process and the holistic model in the assessment, analysis, planning, implementation and evaluation of nursing care for clients.	should know when a dose of insulin will peak? To determine when the patient is at the highest risk for hypoglycemia may require extra calories or when to schedule the insulin in relationship to the patient's dietary habits.			
Outcome 4: Spirit of Inquiry: Recognize the importance of continued learning to maintain clinical excellence in the profession of nursing.	What type of needle do you use to withdraw medication from an ampule? A filter needle	100%	0%	yes

* Please note if using a different minimum performance standard.

Conclusions

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".

88.6% of the course learning outcomes were measured and met. The course is the first of two courses in Drug and Dosage Calculations. A HESI exam, which is a national assessment exam, was administered at the completion of the second course when taught previously in fall 2014. The class average on the HESI exam was 1001 and the national average was 921. Currently, no revisions need to be done.

Previous Assessment Reports and Results

Date of Previous Assessment: 12/18/2014

List of Outcomes Not Met: Calculating Celsius to Fahrenheit which is planned for the second course.

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

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".

Will reassess when offered again in fall, 2018.

Assessment Committee Recommendation/Approval (To be posted by Assessment Committee Chair)
<input checked="" type="checkbox"/> Approved as presented <input type="checkbox"/> Approved with recommendations for future reports (Explanation Required) <input type="checkbox"/> Resubmission Required. Reason for Resubmission: Date: 1/19/17