

Eastern West Virginia Community and Technical College COURSE ASSESSMENT REPORT

Course Title and Number: AH 115 Drug Dosage Calculation	Academic Term and Year of Assessment Activity (Ex: Fall, 2010) Fall, 2010
Report Submitted By: Eleanor Berg	Number of Students Assessed: 22
Date Report Submitted: 8/9/2011	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	

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 assist nursing students and pre-nursing students with drug dosages and calculations. The course incorporates household, apothecary, metric measurements, and various routes of administration including Intravenous (IV) Drip rates, Intake and Outputs (I&O), and drug calculations.</p>

Assessment Methods
Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.
<p>The chapters were covered which included basic math (fractions, decimals, and Roman Numerals) Fractional Ratio and Proportion, and Linear Ratio and Proportion, Systems of Measurement, and Conversions between measurements, IV drip rate, reading medication labels, determining length and gauge of needles, and reconstitution of medications and calculating nasogastric (NG) tube feeding strengths. At the end of each chapter, the students submitted their workbooks and were awarded 10 points if the equations had been completed for a total of 50 points. The student then took a comprehensive final which included conversion from metric to household measurements and vice versa, drug calculations, I&O, preparation of formula strengths of NG feedings, IV drip rates, use of sliding scales for insulin administration, filling the syringes with the appropriate amount, needle gauges, and drug labels.</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>22 students completed the course. They were given the option of challenging the final and completing the course. All of the students completed the final with an 83 or above.</p>

Course Level Assessment Summary of Outcomes, Indicators and Results Course Title and Number Number of students in assessment sample = 22 Number of Sections in Assessment = 1 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 (% of students who met or exceeded Minimum	Percent of Incorrect Responses	Performance Standard Met (75%)* (yes or no)

		performance Standard)		
Outcome 1:	Student will be able to convert from pounds to kilograms. "A child weighs 77 lbs. How many kg does he weigh?"	100	0	yes
Outcome 2:	Student will calculate drug dosage. "The order is for Augmentin ES 900mg. The pharmacy sends Augmentin ES 600mg/tsp. How many tsp do you give?"	100	0	yes
Outcome 3:	The student will be able to calculate IV drip rates. "The patient is to receive 1000mL of IV fluid in the next 4 hrs. How many cc/hr will you set the rate?"	100	0	yes
Outcome 4:	The student will be able to calculate I&O. "Mr. Iamsicker is on I&O. He is NPO and only receiving IV fluids. His IV is running at 125cc/hr. He vomited 100cc once and 75cc another time during your 8 hr shift. You empty 700cc from his foley catheter. What is his I&O?"	100	0	yes

* Please note if using a different minimum performance standard.

Conclusions and Action Plan
Provide a brief summary of conclusions derived based on analysis of data. Identify action plan for improvement or maintaining current performance levels. Append additional pages if necessary. If appending, include notation in box to "See attached".
In conclusion, the students successfully completed the course but absenteeism was a problem. Although the students demonstrated the required knowledge, at least one failed to understand the importance of attending classes. If the students are admitted into the nursing program, attendance is mandatory. In addition, students are being prepared for professional employment and need to understand attendance is necessary in the work place. Future courses need to include more quizzes which cannot be made up if absent.

Effective Date for Changes or Curriculum Proposal Submission to LOT (if recommended)	Proposed Date for Reassessment
	Fall 2012

Assessment Committee Approval (To be posted by Assessment Committee Chair)	LOT Review (To be posted by Assessment Committee Chair)
Date: 9-12-11 (SB-G)	Date: 9-19-11 (SB-G)