

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: NU 142	
Course Title: Drug and Dosage Calculations II	
Recommended Transcript Title (if over 40 characters)	
Date Approved/Revised: 10/16/13; 4/27/21	
Credit Hours: 1	
Contact hours per week (Based on 15-week term):	
Lecture: 1	
Lab:	
Prerequisite: (Include any exam or placement scores) NU 132	
Corequisite: NU 143, NU 144	
Pre/Corequisite: BIO 125 and BIO 125L	
Grading Mode: Letter	
Catalog Description: This course expands the nursing student's ability to read, interpret, and solve increasingly complex dosage calculation problems. Critical thinking skills are applied to age and acuity specific variations in populations across the lifespan.	
Course Outcomes: (See Competency Verb list for suggested language)	
Concept:	Outcomes:
Human Flourishing	1) Explain the role of drug administration in relation to health promotion, disease prevention and management across the lifespan.
Nursing Judgment	2) Correctly calculate complex drug dosages. 3) Identify and prevent common medication errors. 4) Interpret drug labels, package directions, tables, charts and graphs in order to administer medication correctly.
Professional Identity	5) Describe the role of the nurse in medication administration. 6) Recognize the professional responsibility in the interpretation, calculation and administration of medications
Spirit of Inquiry	7) Understand and question how developmental stages may affect drug administration. 8) Recognize the importance of continued learning to maintain clinical excellence in the profession of nursing. 9) Describe appropriate resources to update personal knowledge of medications.
Implementation Cycle: Spring	
Role in College Curriculum: (Check all that apply)	
<input type="checkbox"/> General Education Core (Specify category)	
<input checked="" type="checkbox"/> Technical Core A.A.S. Nursing	
<input type="checkbox"/> Restricted Elective (Specify Program)	

Course Number & Title: NU 142 Drug and Dosage Calculations II

Date Prepared/Revised: 10/14/13, 3/19/21

Date Course Approved by Curriculum: 4/13/21

Date Course Approved by LOT: 10/16/13, 4/27/21

<input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)		
Course Fee: Yes		
Instructor's Qualifications: MS in Nursing OR BSN enrolled in graduate program in Nursing		
Expanded Course Description (provides details regarding major course concepts, target audience, delivery format, etc.) <p>Topics will include: use of ratio and proportion and dimensional analysis to determine and calculate age and body weight specific variations for dosage accuracy. The ability to interpret medication labels and orders; identify and prevent common medication errors; and accurately document medication administration will be addressed.</p>		
Concept:	Outcomes:	Skills:
Human Flourishing	1) Explain the role of drug administration in relation to health promotion, disease prevention and management across the lifespan.	Recognize how developmental stages may affect drug administration. Recognize how drug therapy plays a role in health promotion, disease prevention and management.
Nursing Judgment	2) Correctly calculate complex drug dosages. 3) Identify and prevent common medication errors. 4) Interpret drug labels, package directions, tables, charts and graphs in order to administer medication correctly.	Calculate pediatric dosages based on body weight. Calculate adult dosages based on body weight. Set up and solve problems utilizing the ratio and proportion, formula method, and/or dimensional analysis methodology. Document and Reporting of Medication Errors Read and interpret drug labels under supervision of instructor.

Professional Identity	5) Describe the role of the nurse in medication administration. 6) Recognize the professional responsibility in the interpretation, calculation and administration of medications.	Verbalize and practice the 7 Rights of Medication Administration
Spirit of Inquiry	7) Recognize the importance of continued learning to maintain clinical excellence in the profession of nursing. 8) Describe appropriate resources to update personal knowledge of medications.	Recognize drug information sources available.

Prepared by: Debra Backus, Academic Program Director for General Education/Instruction and Eleanor Berg, Nursing Program Director October 14, 2013

Revised by: Alicia VanMeter, Nursing Instructor, MSN, FNP-BC March 19, 2021

Name, Title	Date
Approved Per LOT Minutes	
Curtis Hakala	April 27, 2021
Dean of Teaching and Learning	Date