

**BOONE CAREER AND TECHNICAL CENTER  
SCHOOL OF PRACTICAL NURSING  
9127 PRACTICAL NURSING – PHARMACOLOGY  
COURSE SYLLABUS**

**MISSION:** Boone Career and Technical Center enriches lives locally, regionally, and globally by providing occupational education and training for lifelong learning and professional success.

**VISION:** Your Goals. Our Mission

<b>PROGRAM OF STUDY:</b>	PRACTICAL NURSING	
<b>COURSE:</b>	PRACTICAL NURSING – PHARMACOLOGY	
<b>Term:</b>	2	
<b>Credit/Quarter Hours:</b>	80 Clock Hours	
<b>Program Coordinator:</b>	Paula Webb, RN	pholstei@k12.wv.us
<b>Instructor:</b>	Kelly Harless, RN	kelly.harless@k12.wv.us
<b>Instructor Office Location:</b>	107	
<b>Instructor Phone:</b>	(304) 369-4585	
<b>Instructor Office Hours:</b>	Monday – Friday, 2:30 p.m. – 3:00 p.m.	

**Course Description:**

The Practical Nursing Pharmacology course provides foundational knowledge and skills in pharmacology and medication administration. Students learn pharmacological therapies and adverse effects, contraindications, side effects, and interactions of a wide range of medications. Students learn to perform the mathematical computations and dosage calculations necessary to administer medications safely and effectively. The course includes instruction in drug and medication classifications and actions, therapeutic procedures, and regulatory agency guidelines.

**Required Text and Other Materials Needed:**

Introduction to Clinical Pharmacology, 10 Ed., Visovsky, Zambroski, & Hosler (**Assigned chapters listed in Bold font**)

Calculate with Confidence, 8<sup>th</sup> Ed., Morris (*Assigned chapters listed in Italics*)

**Course Goals:**

Upon successful completion of this course, the student will be able to perform mathematical calculations and dosage calculations accurately and administer medications safely in a variety of patient care settings. Students will understand medication classifications, indications, contraindications, side effects, and interactions of a wide range of medications.

**Course Schedule/Topic Outline:**

Term 2: April 28 – August 29, 2025	
Apr. 28 – May 1	<b>Chapter 1: Pharmacology &amp; the Nursing Process</b> <b>Chapter 2: Legal, Regulatory, &amp; Ethical Aspects</b> <b>Chapter 3: Principles of Pharmacology</b> <b>Chapter 4: Drug Calculation: Preparing and Giving Drugs</b> <i>Chapter 9: Medication Administration</i> <i>Chapter 10: Understanding and Interpreting Medication Orders</i>
May 5 – 8	<b>Chapter 5: Drugs for Bacterial Infections</b> <b>Chapter 6: Drugs for TB, Fungal, and Parasitic Infections</b> <i>Chapter 11: Medication Administration Records</i> <i>Chapter 12: Reading Medication Labels</i>
May 12 - 15	<b>Chapter 12: Drugs for Pain Management</b> <i>Chapter 13: Dosage Calculation Using Ratio &amp; Proportion</i> <i>Chapter 14: Dosage Calculation Using Formula Method</i> <i>Chapter 15: Dosage Calculation Using Dimensional Analysis</i>
May 19 – 22	<b>Chapter 16: Drugs for Immunization and Immunomodulation</b> <i>Chapter 16: Oral Medications</i> <i>Chapter 17: Parenteral Medications</i>
May 26 – 29	<b>Chapter 7: Drugs for Viral and Retroviral Infections</b> <b>Chapter 8: Drugs for Allergy and Respiratory Problems</b> <i>Chapter 18: Reconstitution of Solutions</i>
June 2 – 5	<b>Chapter 15: Drugs Affecting the Hematologic System</b> <i>Chapter 22: Heparin Calculations</i>
June 9 – 12	<b>Chapter 9: Drugs Affecting the Cardiovascular &amp; Renal Systems</b> <i>Chapter 20: Intravenous Solutions and Equipment</i>
June 16 – 19	<b>Chapter 10: Drugs for Central Nervous System Problems</b> <i>Chapter 21: Intravenous Calculations</i>
June 23 – 26	<b>Chapter 19: Drugs for Eye and Ear Problems</b> <i>Chapter 23 Critical Care Calculations</i>
June 30 – July 4	Summer Break
July 7 - 10	<b>Chapter 14: Drugs for Gastrointestinal Problems</b> <i>Chapter 24 Pediatric and Adult Dosage Calc based on Wt</i>
July 14 – 17	<b>Chapter 13: Drugs for Inflammation, Arthritis, and Gout</b>
July 21 – 24	<b>Chapter 18: Drugs for Diabetes</b> <i>Chapter 19 Insulin</i>
July 28 – 31	<b>Chapter 17: Drugs for Osteoporosis &amp; Hormonal Problems</b>
Aug. 4 – 7	<b>Chapter 11: Drugs for Mental Health</b>
Aug. 11 – 14	<b>Chapter 20: Over-the-Counter Drug Therapy</b>
Aug. 18 – 21	Pharmacology Review
Aug. 25 – 28	<b>HESI Final Exam</b>

**Evaluation:**

The assessment and grading of student performance in this course is based on the following activities: attendance, participation, assignments, unit tests, skill sessions, clinical rotations, a final exam.

Students must successfully pass all the competencies to pass the course and/or progress in the program. Students may re-attempt a competency up to three times to progress in the course.

**Grading Scale**

94 – 100 = A

86 – 93 = B

**80 – 85 = C**

**70 – 79 = D**

**0 – 69 = F**

Students must score a 80% or above to successfully complete this course and progress to the next course.

**Support Services:**

1. The Individual Career Plan (ICP) is a planning tool that is used for career preparation, career growth and lifelong learning goals. All adult education students will complete an Individual Career Plan.
2. Students will be counseled on attendance and grades at mid-term and as needed by program instructors.
3. Students who fail a course must remediate with the Adult Learning Center. Please call 304- 369-4585 for more information.

**Awards and Honors:**

Outstanding students will be invited to become a member of the National Technical Honor Society. Students are recommended by the career & technical instructor.

Criteria for nomination:

- GPA of 4.0 (A)
- Exemplary Conduct & Attitude
- Leadership
- Professionalism
- Teamwork
- Exemplary Attendance

**Course Policies:**

See the School of Practical Nursing Policy and Procedure Manual

**School Policies:**

See BCTC Adult Student Handbook

**Discrimination Prohibited:**

As required by federal law and regulations, the Boone County Board of Education does not discriminate on the basis of sex, race, color, religion, disability, age or national origin in its employment practices or in the administration of any of its educational programs and activities. Inquiries may be directed to Anthony Tagliente, Safe Schools coordinator, Boone County Board of Education, 69 Avenue B, Madison, WV, 25130 phone 369-8276.

SPECIAL NEEDS: If you need accommodations because of a disability, have emergency medical information to share with me, or need special arrangements in case the building must be evacuated, please inform me immediately.

*Instructor retains the right to adjust the course schedule and revise the course syllabus as needed.*