

**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>Name of Instructor:</b>	Paula Webb, RN	pholstei@k12.wv.us
	Kelly Harless, RN	kelly.harless@k12.wv.us
	Sara Estep, RN	sara.estep@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

**Resource Materials**

Calculate with Confidence, 8<sup>th</sup> Ed., Morris

**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:**

<b>Term 2</b> <b>May 1 – August 30, 2024</b>	
May 1 – 3	Chapter 1: Pharmacology & the Nursing Process Chapter 2: Legal, Regulatory, & Ethical Aspects
May 6 – 10	Chapter 3: Principles of Pharmacology Chapter 4: Drug Calculation: Preparing and Giving Drugs <b>CALCULATE:</b> Chapters 1 – 8 Systems of Measurement
May 13 – 17	Chapter 5: Drugs for Bacterial Infections Chapter 6: Drugs for TB, Fungal, and Parasitic Infections <b>CALCULATE:</b> Chapters 9 – 10 Med Administration and Med Orders
May 20 – 24	Chapter 12: Drugs for Pain Management Chapter 16: Drugs for Immunization and Immunomodulation <b>CALCULATE:</b> Chapters 11 – 12 Medication Admin Records & Labels
May 27 – 31	Chapter 7: Drugs for Viral and Retroviral Infections Chapter 8: Drugs for Allergy and Respiratory Problems <b>CALCULATE:</b> Chapters 13 Dosage Calc Using Ratio and Proportion
June 4 – 7	Chapter 15: Drugs Affecting the Hematologic System <b>CALCULATE:</b> Chapter 14 Dosage Calculation Using Formula Method
June 11 – 14	Chapter 9: Drugs Affecting the Cardiovascular System <b>CALCULATE:</b> Chapter 15 Dosage Calc Using Dimensional Analysis
June 17 – 21	Chapter 10: Drugs for Central Nervous System Problems Chapter 11: Drugs for Mental Health <b>CALCULATE:</b> Chapter 16 Oral Medications
June 24 – 28	Chapter 19: Drugs for Eye and Ear Problems <b>CALCULATE:</b> Chapter 17 Parenteral Medications
July 1 – 5	Chapter 14: Drugs for Gastrointestinal Problems <b>CALCULATE:</b> Chapter 18 Reconstitution of Solutions
July 8 – 12	Chapter 13: Drugs for Inflammation, Arthritis, and Gout <b>CALCULATE:</b> Chapter 20 Intravenous Solutions and Equipment
July 15 – 19	Chapter 9: Drugs Affecting the Renal/Urinary System <b>CALCULATE:</b> Chapter 21 Intravenous Calculations
July 22 – 26	Chapter 17: Drugs for Osteoporosis & Hormonal Problems Chapter 18: Drugs for Diabetes <b>CALCULATE:</b> Chapter 19 Insulin
July 29 – Aug. 2	Chapter 20: Over-the-Counter Drug Therapy <b>CALCULATE:</b> Chapter 22 Heparin Calculations
Aug. 5 – 9	<b>CALCULATE:</b> Chapter 23 Critical Care Calculations
Aug. 12 – 16	<b>CALCULATE:</b> Chapter 24 Pediatric and Adult Dosage Calc based on Wt
Aug. 19 – 23	Pharmacology Review
Aug. 26 – 30	FINAL Exam

**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 in order to pass the course and/or progress in the program. Students may re-attempt a competency up to three times in order 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.

**Course Policies:**

See the School of Practical Nursing Policy and Procedure Manual

**School Policies:**

See BCTC Adult Student Handbook

**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
- Teamwork
- Exemplary Attendance

**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.*