

**BOONE CAREER AND TECHNICAL CENTER  
SCHOOL OF PRACTICAL NURSING  
9125 PRACTICAL NURSING – ANATOMY AND PHYSIOLOGY  
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 – ANATOMY AND PHYSIOLOGY	
<b>Term:</b>	1	
<b>Credit/Quarter Hours:</b>	60 Clock Hours	
<b>Prerequisites:</b>	None	
<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 Anatomy and Physiology course introduces the practical nursing student to the human body in health and illness. Students learn the basic principles of chemistry, biochemistry, and microbiology. The anatomy and physiology content of this textbook progresses from simple to complex—from the structure of a cell to the role that each organ system plays in sustaining life and homeostasis. Students will learn to use physiological concepts to understand the basics of pathophysiology, physical assessment, diagnostics, and pharmacology.

**Required Text and Other Materials Needed:**

The Human Body in Health and Illness, 7<sup>th</sup> Ed., Barbara Herlihy

**Course Goals:**

Upon successful completion of this course, the student will understand basic chemistry, biochemistry, and microbiology as it relates to the human body. Students will learn the anatomy and physiology, pathophysiology, medical terminology, and physical assessment techniques relevant to each organ system, as well as diagnostic procedures and pharmacological interventions. The impact of aging on each organ system is integrated throughout the course along with nursing interventions relevant to the patient's life stage. This course provides the necessary background necessary to provide nursing care to patients across the lifespan from birth to death.

**Course Schedule/Topic Outline:**

<b>TERM 1</b> <b>January 2 – April 30, 2024</b>	
Jan. 1 – 5	Chapter 1: Introduction to the Human Body Chapter 2: Basic Chemistry
Jan. 8 – 12	Chapter 3: Cells Chapter 4: Metabolism
Jan. 15 – 19	Chapter 5: Microbiology Basics Chapter 6: Tissues and Membranes
Jan. 22 – 26	Chapter 7: Integumentary System and Body Temperature
Jan. 29 – Feb. 2	Chapter 24: Urinary System Chapter 25: Water and Electrolyte Balance
Feb. 5 – 9	Chapter 23: Digestive System
Feb. 12 – 16	Chapter 22: Respiratory System
Feb. 19 – 23	Chapter 10: Nervous System: Nervous Tissue and Brain Chapter 11: Nervous System: Spinal Cord and Peripheral Nerves
Feb. 26 – Mar. 1	Chapter 12: Autonomic Nervous System Chapter 13: Sensory System
Mar. 4 – 8	Chapter 8: Skeletal System Chapter 9: Muscular System
Mar. 11 – 15	Chapter 14: Endocrine System Chapter 15: Blood
Mar. 18 – 22	Chapter 16: Anatomy of the Heart Chapter 17: Function of the Heart
Mar. 25 – 29	Chapter 18: Anatomy of the Blood Vessels and Special Circulations Chapter 19: Functions of the Blood Vessels
<b>Apr. 1- 5</b>	<b>SPRING BREAK</b>
Apr. 8 – 12	Chapter 20: Lymphatic System Chapter 21: Immune System
Apr. 15 – 19	Chapter 26: Reproductive Systems Chapter 27: Human Development and Heredity
Apr. 22 – 26	Anatomy FINAL Exam

**Course Policies:**

See the School of Practical Nursing Policy and Procedure Manual

**School Policies:**

See BCTC Adult Student Handbook

**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, and a final examination.

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.

**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 the safe schools coordinator, Boone County Board of Education, 69 Avenue B, Madison, WV, 25130 phone 369-8276.

**Special Needs:**

If you need accommodation 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.*