

## Health Science Education 2022-2023

<b>PROGRAM:</b>	Therapeutic Services	
<b>COURSE:</b>	Honors Foundations of Health Science	(0711) (1 <sup>st</sup> Semester)
	Honors Advanced Principles of Health Science	(0715) (2 <sup>nd</sup> Semester)
<b>ELECTIVES:</b>	Honors Medical Terminology (see separate syllabus)	(0721)
	Honors Body Structures & Functions (see separate syllabus)	(0716)
<b>INSTRUCTOR:</b>	Loretta Thompson, MS, BSN, RN	
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Office Hours:	M-F 2:00-3:00	

### **COURSE DESCRIPTION FOUNDATIONS OF HEALTH SCIENCE:**

This course is designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices, and healthcare delivery systems. It is designed to provide the student with knowledge and technical skills required for infection control and the prevention of disease transmission, CPR, and First Aid. Students will be provided with the opportunity to acquire certification in these areas. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real-world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skillsets. \*Admission to Advanced Principles of Health Science (0715) requires a minimum course completion score of 80% in Foundations of Health Science (0711).

### **COURSE DESCRIPTION ADVANCED PRINCIPLES OF HEALTHCARE:**

Instructional content will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations. Medical terminology and the reinforcement, expansion, and enhancement of biology content specific to diseases and disorders are an integral part of the course. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the importance of these skills. Students will develop basic technical skills required for all health career specialties including patient privacy, communication, teamwork, and occupational safety, and be provided with opportunities to obtain certifications in HIPPA/Data Privacy and health care safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real-world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skillsets.

## **TEXTBOOKS:**

DHO Health Science: Updated 8<sup>th</sup> editions, Louise Simmers

Medical Terminology for Health Professions 8<sup>th</sup> edition, Ehrlich & Schroeder

Dean-Vaughn Medical Terminology 350, DCM, Inc.

Dean-Vaughn Basic Human Anatomy 2<sup>nd</sup> edition, DCM, Inc.

American Red Cross First Aid/CPR

American Heart Association BLS for Health Care Providers

## **METHOD OF INSTRUCTION:**

1. Lecture and Demonstration
2. Schoology
3. Remote & Virtual Lessons
4. Audio-Visual Aids
5. Handouts
6. Classroom Discussion
7. Small Group Activities: Role Play, Cooperative Learning
8. Problem-Solving, Critical Thinking
9. Hands-on Skills Lab in the classroom; Documentation of skills on skills sheet
10. Clinical observation and practice

## **BASIC COURSE REQUIREMENTS:**

1. **Students must achieve and 80% or better in Foundations of Health Science (0711) 1<sup>st</sup> Semester in order to advance to Advanced Principles of Health Science (0715) 2<sup>nd</sup> Semester.**
2. **Current MMR, Varicella, dTap, and Completed Hepatitis B Vaccinations.** \*\*Required for working in the health care facility. A copy of the immunization record must be on file prior to clinical rotations.
3. **All students must pass a drug screening test before entering the healthcare facility.** Students who fail the drug test or refuse to undergo drug screening will be removed from the program. After the initial drug test, testing may occur randomly throughout the school year.
4. Students must obtain a current First Aid and CPR for the Professional Rescuer or BLS for the Health Care Provider Certifications for clinical rotations. (These certifications will be offered as part of the curriculum.

## **RESPECT FOR OTHERS:**

We understand that our students represent a rich variety of backgrounds and perspectives. We are committed to providing an atmosphere for learning that respects diversity. While working together to build this community, we ask all students to:

1. Share their unique experiences, values, & beliefs
2. Be open to the views of others
3. Honor the uniqueness of their colleagues
4. Appreciate the opportunity what we have to learn from each other

Boone Career & Technical Center (BCTC) does not discriminate on the basis of race, color, religion, national origin, gender, sexual orientation, disability, age, or marital status in any of its policies, procedures or practices as required by Title IX, Section 504, and ADA regulations. For inquiries concerning Title IX, please contact the BCS Safe Schools Director Anthony Tagliente at 304-369-8276 or [ataglient@k12.wv.us](mailto:ataglient@k12.wv.us). For inquiries concerning 504/ADA, please contact the Director of Exceptional Children Mary Knapp, at 304-369-8245 or [mknapp@k12.wv.us](mailto:mknapp@k12.wv.us). Inquiries may also be submitted in writing to the following Director's at Boone County Schools 69 Avenue B Madison, WV 25130.

5. Value each other's opinion and communicate in a respectful manner
6. Keep confidential discussions of a personal (or professional) nature
7. Use this opportunity together to discuss ways in which we can create an inclusive environment in this course & throughout Boone County.

**EVALUATION:**

1. Examinations, quizzes, and written assignments will be given a numerical grade according to the Boone County Schools grading scale:
 

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F
2. Participation in skills labs is required. Students must demonstrate competence in assigned skills and will receive numerical grade upon completion of each skill.
3. All work must be neat and legible. Assignments are to include name, date, and period.
4. Incomplete work will not be accepted. Late work will be lowered by one letter grade for each day the assignment is late. **ASSIGNMENTS WILL NOT BE ACCEPTED ONE WEEK AFTER THE INITIAL DUE DATE!!**
5. FINAL EXAMINATION: An End-Of-Course Exam will be given at the end of each semester.
6. When the instructor observes cheating on the part of the student, the case shall be handled in accordance with the following procedures:
  - a. The instructor has the authority to give the student the grade of "F" on the assignment or a grade of "F" in the course.
  - b. The instructor will submit to the principal, within three (3) days from the time the cheating occurred, a written report, along with physical evidence, stating the facts of the case and the action taken by the instructor.

**AWARDS & HONORS:**

One student will be chosen as outstanding student of the nine weeks. The criteria for selection are as follows:

- |                               |                           |
|-------------------------------|---------------------------|
| 1. Quality & Quantity of Work | 5. Attendance             |
| 2. Leadership Skills          | 6. Attitude & Cooperation |
| 3. Skills Performance         | 7. Participation in HOSA  |
| 4. Dependability              | 8. Community Service      |

Outstanding students will also be invited to become a member of the National Technical Honor Society. Students are recommended by their CTE instructor. Criteria for nomination include the following:

- |                                  |                          |
|----------------------------------|--------------------------|
| 1. CTE GPA of 3.5 or better      | 4. Exemplary Attendance  |
| 2. Academic GPA of 3.0 or better | 5. Participation in HOSA |
| 3. Exemplary Conduct             | 6. Community Service     |

## **HOSA:**

HOSA is an international student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people.

HOSA provides a unique program of leadership development, motivation, and recognition exclusively for secondary, postsecondary, adult, and collegiate students enrolled in health science education and biomedical science programs or have interests in pursuing careers in health professions. HOSA is 100% health care!

HOSA is not a club to which a few students in school join. Rather, HOSA is a powerful instructional tool that works best when it is integrated into the HSE and health science related curriculum and classroom. HSE instructors are committed to the development of the total person. Those who join the HSE-HOSA Partnership recognize the importance of providing students with training far beyond the basic technical skills needed for entry into the health care field.

Listed below are dates and fees for the 2022-2023 HOSA affiliation year as well as conference information:

1. Membership Dues are \$25. Deadline to join is October 1<sup>st</sup>.
2. Fall Leadership Conference will be held November 9-10, 2022 at Marriott Waterfront, Morgantown, WV. Registration \$80
3. State Leadership Conference will be held March 3-4, 2023 at Marshall University. Registration \$60
4. 1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> place winners are eligible to attend the international conference in Dallas, TX, June 21-24, 2023
5. Any student that is placed in ISS or OSS, for whatever reason, WILL NOT be permitted to participate in HOSA leadership conferences.

