

**Ralph R Willis Career and Technical Center
School of Practical Nursing
Anatomy and Body Structure**

		Time	Testing
Lesson 1	Human Body Introduction	3	1
Lesson 2	Cells and Tissues	3	1

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Placement :	Semester 1
Course Hours :	60
Theory Hours:	8
Hours Integrated MS:	52
Clinical Hours:	NA
WVEIS:	

Textbooks

1. deWitt, Susan C. / Kumagai, Candice; Medical-Surgical Nursing Concepts & Practice Saunders/Elsevier; 3rd. edition; 2017.
2. deWitt, Susan C. / Kumagai, Candice; STUDY GUIDE FOR Medical-Surgical Nursing Concepts & Practice Saunders/Elsevier; 3rd. edition; 2017.
4. HESI

Course Description

This course is designed to provide the student with knowledge of human anatomy and physiology starting from the molecular level and progressing to the level of integrated systems. Emphasis is on normal structure and homeostatic function of the human organism. Introductory content includes basic anatomical terminology, basic and biochemistry, cell structure and function, and tissues. The anatomy, histology, and physiology of the body systems will be integrated with medical-surgical nursing and are presented according to systems in a sequential manner from simple to complex. The student will utilize the information as a foundation in relation to medical-surgical areas. The student will explore the following systems: the immune and lymphatic systems, respiratory system, hematologic system, cardiovascular system, urinary system, gastrointestinal system, endocrine system, neurological system, and sensory systems.

Course Objectives

1. Define terminology relevant to anatomy & physiology.
2. Demonstrate understanding of the body systems as it relates to cells, tissue, and organs.
3. Identify structure, location, and function of each body system.
4. Explain the functions of each system of the body.
5. Demonstrate the inter-relationship between body systems.

Clinical Practicum:

Completed in Acute and Long-Term Care.

Methods Of Teaching:

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1. Lecture, discussion, role playing emphasizing critical thinking
2. Videos
3. PowerPoint
4. Computer-assisted instruction- VCE – Case Studies
5. Demonstration
6. Individual and Group Conference
7. Written Exams
9. Clinical Lab Practice/ Clinical Setting
10. Evaluations

Student Responsibilities:

1. Read assigned chapter.
2. Refer to and follow student monthly calendar for exam dates.
3. Attend lectures and demonstrations.
3. Complete activities as assigned.
5. Participate in class/lab activities.
6. Discuss critical thinking activities associated with the lesson.
7. Refer and follow the policies as outlined and discussed in the Student Handbook.
8. Pass exams with a grade of 80% or higher.

Methods Of Evaluation

1. The following letter grade system is utilized for theory:
A 93 - 100
B 87 - 92
C 80 - 86
F 79 - 0
2. The following grading calculation is utilized for theory:
Exams 60% Quizzes 10% Final 30%
3. Evaluation Tools:
 - a. Oral Presentations
 - b. Written Exams
 - c. Laboratory Skills
 - d. Homework Assignments
 - e. Computer Exams
 - f. Clinical Skills
4. Make-up Exam:
A student who misses an exam must be prepared to take the exam upon immediate return or as designated by the instructor. Students will automatically have **5% deducted**. Students not making up exam on the designated schedule for make-up will receive a **(0) zero**.
5. Quizzes:
Students who are absent during a quiz will receive a Zero. Quizzes are NOT made up.
6. See student monthly calendar for schedule of exam dates.
7. See Student Handbook for clinical grading guidelines.

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Lesson 1

3 hr

Testing 1hr

Introducing the Human Body

Instructor Provided Handout

Lesson Content

- I. Anatomy and physiology are the studies of structure and function.
- II. The body has several levels of organization.
- III. The body is composed of inorganic compounds and organic compounds.
- IV. Metabolism is essential to maintenance, growth, and repair of the body.
- V. The body has a basic plan.
 - A. Directions in the body are relative.
 - B. The body has three main planes.
 - C. We can identify specific body regions.
 - D. It is important to view the body as a whole.

Learning Objectives

After completion of this information the student will:

1. Define anatomy and physiology.
2. Describe the levels of biological organization in the human body, from the simplest (the chemical level) to the most complex (the organism).
3. Describe the principal organ systems.
4. Distinguish between inorganic and organic compounds and briefly describe four important groups of organic compounds.
5. Define metabolism and contrast anabolism and catabolism.
6. Define homeostasis and contrast negative and positive feedback mechanisms.
7. Describe the anatomical position of the human body.
8. Define and use properly the principal directional terms used in human anatomy.
9. Recognize sagittal, transverse, and frontal sections of the body and of body structures.
10. Define and locate the principal regions and cavities of the body.

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Integrated With Medical Surgical

Chapter 41	The Integumentary System Testing	3 hr 1hr
Chapter 31	The Musculoskeletal System Testing	3 hr 1hr
Chapter 27	The Gastrointestinal System Testing	3 hr 1hr
Chapter 25	The Sensory System: Eye and Ear Testing	3 hr 1hr
Chapter 21	The Neurologic System Testing	3 hr 1hr
Chapter 17	The Cardiovascular System Testing	3 hr 1hr
Chapter 15	The Hematologic System Testing	3 hr 1hr
Chapter 12	The Respiratory System Testing	3 hr 1hr
Chapter 10	The Immune and Lymphatic Systems Testing	3 hr 1hr
Chapter 33	The Urinary System Testing	3 hr 1hr
Chapter 35	The Endocrine System Testing	3 hr 1hr
Chapter 38	The Female Reproductive System Testing	3 hr 1hr
Chapter 39	The Male Reproductive System Testing	3 hr 1hr