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INTRODUCTION TO ANATOMY AND PHYSIOLOGY 2E ©2021

to the Georgia 2008 standards

for Essentials of Healthcare (Course # 25.44000)

STANDARD	G–W CORRELATING PAGES
HS-EHS-1 Demonstrate employability skills required by business and industry.	
HS-EHS-1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.	5–9, 38–39, 87, 119, 171, 214, 261, 297, 337, 374, 411, 461, 507, 549, 587, 636
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HS-EHS-1.2a Teamwork and Problem Solving	33, 68, 115, 141, 331, 374, 453, 507, 636
HS-EHS-1.2b Meeting Etiquette	39
HS-EHS-1.3 Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations.	32–33, 80–81, 114–115, 164–165, 208–209, 254–255, 292–293, 330–331, 368–369, 406–407, 454–455, 500–501, 544–545, 582–583, 630–631
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HS-EHS-1.4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.	32–33
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HS-EHS-1.4d Business etiquette	32–33
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HS-EHS-1.5 Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills.	33, 68, 115, 141, 331, 374, 453, 507, 636
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HS-EHS-1.6 Person–to–person etiquette	32–33
HS-EHS-1.6 Communication etiquette	32–33
HS-EHS-1.6 Presenting yourself	32–33
HS-EHS-2 Classify the basic structural and functional organization of the human body and identify body planes, cavities, regions, directional terms, tissues, organs and parts of the cell.	
HS-EHS-2.1 Define anatomy, physiology, homeostasis, metabolism and cellular respiration.	4, 12–18, 55–62
HS-EHS-2.2 Identify body planes, cavities, abdominal regions and directional terms. (These will be utilized later in the various anatomy systems).	5–9
HS-EHS-2.3 Describe and demonstrate anatomical position utilizing directional terms.	4, 32–18, 55–62
HS-EHS-2.4 Classify the basic structural and functional organization of the human body beginning at the cellular level to also include tissues, organs and systems.	12, 55–62
HS-EHS-2.5 Identify the structural components of a cell, and describe the function and relationship of each component.	55–67

HS-EHS-2.6 Explain the process of mitosis and meiosis.	65–66, 591–593
HS-EHS-2.7 Identify the major types of tissue, and provide examples of each type.	69–79
HS-EHS-2.8 Demonstrate recognition of subjective and objective observations. Document signs and symptoms in the simulated electronic medical record.	25, 37
HS-EHS-3 Analyze the anatomy, physiology and basic pathophysiology of the integumentary system, and evaluate and monitor body temperature.	
HS-EHS-3.1 Analyze the basic structures and functions of the integumentary system.	93–100
HS-EHS-3.2 Identify and explain medical terms related to the integumentary system, and utilize appropriately when documenting in a simulated electronic medical	90–119
HS-EHS-3.3 Research common diseases, disorders and emerging diseases of the integumentary system including the pathophysiology, prevention, diagnosis and treatment that might be utilized in each.	101–113
HS-EHS-3.4 Make observations of the skin to include: color, temperature to touch, scarring, bruising, abrasions, lacerations, or other abnormalities.	101–103
HS-EHS-3.5 Discuss the role of the integumentary system in homeostasis regarding body temperature.	93, 94, 98, 100
HS-EHS-3.6 Demonstrate measuring and recording of temperature, and identify abnormal results.	437–438
HS-EHS-4 Investigate the anatomy, physiology, and basic pathophysiology of the cardiovascular system, and evaluate and monitor blood pressure and pulse.	
HS-EHS-4.1 Analyze the basic structures and functions of the cardiovascular system.	414–422
HS-EHS-4.2 Identify and explain medical terms related to the cardiovascular system, and utilize when documenting in electronic medical record.	414–453
HS-EHS-4.3 Research common diseases, disorders, and emerging diseases of the cardiovascular system including the pathophysiology, prevention, diagnosis and treatment (including biomedical therapies) that might be utilized in each.	395–405, 442–453
HS-EHS-4.4 Describe the components of blood, and the functions of each. Research when blood components are prescribed for a patient and why.	378–390, 392–393, 397, 399, 404, 411

HS-EHS-4.5 Identify and describe the functions of the chambers, valves and associated vessels of the heart.	414–422
HS-EHS-4.6 Distinguish differences in anatomy and pathology of blood vessels to include arteries, arterioles, capillaries, venules, and veins.	398–400, 446–452
HS-EHS-4.7 Identify and trace the flow of blood through the heart, and provide distinction between the pulmonary and systemic circulation.	417–421, 427–436
HS-EHS-4.8 Name the parts of the conduction system of the heart, and trace the impulses during initiation and conduction.	423–426
HS-EHS-4.9 Demonstrate measuring and recording blood pressure and pulse, and identify abnormal results.	437–439
HS-EHS-5 Examine the anatomy, physiology and basic pathophysiology of the respiratory system, and evaluate and monitor respirations.	
HS-EHS-5.1 Analyze the basic structures and functions of the respiratory system.	340–356
HS-EHS-5.2 Identify and explain medical terms related to the respiratory system, and utilize when documenting in electronic medical record.	338–375
HS-EHS-5.3 Research common diseases, disorders, and emerging diseases of the respiratory system including the pathophysiology, prevention, diagnosis and treatment (including biomedical therapies) that might be utilized in each.	357–367
HS-EHS-5.4 Differentiate between the upper and lower respiratory tract while tracing the pathway of air into and out of the respiratory system.	340–347
HS-EHS-5.5 Explain the physiology of breathing, to include the process of gas exchange.	348–356
HS-EHS-5.6 Analyze the interdependence of the cardiovascular and respiratory systems as they relate to gas exchange, circulation, and the support of vital organs of the human body.	340
HS-EHS-5.7 Demonstrate measuring and recording respirations, and identify abnormal results.	374–375
HS-EHS-6 Evaluate the anatomy, physiology, and basic pathophysiology of the muscular and skeletal systems, and perform technical skills related to the systems.	
HS-EHS-6.1 Analyze the basic structures and functions of the muscular system.	174–199

HS-EHS-6.2 Analyze the basic structures and functions of the skeletal system, including locating and identifying the bones of the skeletal system and hemopoiesis.	122–150
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