

Health Science I

First Nine Weeks:

Unit 1: Course Orientation and Professional Organization	Activities/Assessments
Describe the purpose of the course and related professional organizations	<ul style="list-style-type: none"> • Introduction to class using syllabus • Pacing guide • Student application • Student handbook • Learning Style inventory • Interest Inventory • Personality Test • Student Profiles
Identify the student and course expectations	Health Career Report Major Grade Writing Assignment Graded using Written Report Rubric
Explore Health Science Professional Organization	Health Care Team Concept Map Major Grade Group Presentation Assignment Graded Using Presentation Rubric
Explore leadership skills and parliamentary procedures with professional organizations	
Unit 2: Safety and Infection Control	Activities/Assessment
Describe personal and environmental safety practices	
Identify common safety hazards.	Safety Walk around campus to identify common safety hazards
Utilize emergency procedures and protocols.	
Describe the principles of infection control	Speaker: Infection Control Nurse
Explain standard precaution based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations.	
Describe the principles of sterile technique.	<i>Role Play: Performing sterile Procedure</i>
Explain the importance of maintaining transmission-based isolation precautions.	Role Play:
Unit 3: Health Care Systems, Legal and Ethical Practices	Activities/Assessment
Explain the role of the health care professional in a department, organization, and the overall health care environment.	<i>Speaker :</i>

Identify how health care systems affect the services that are performed and the quality of care.	Health Care Team Concept Map Group Presentation Assignment
Describe the legal implications associated with health care.	
Describe and demonstrate legal practices associated with health care.	
Recognize and discuss ethical boundaries within the health care environment.	Speaker:
Discuss the accepted ethical practices within the health care environment.	
Identify cultural, social, and ethnic diversity within the health care environment.	Article Summary: "Medical Malpractice"

Second Nine Weeks

Unit 4: Introduction to Medical Terminology	Activities/Assessment
Describe the concepts of effective communication.	Medical Term Definition Test
Compare the roles and responsibilities of individual members as part of the health care team.	
Explain the principles of interacting effectively and sensitively with all members of the health care team.	
Introduce appropriate medical terminology and abbreviations.	Medical terminology Spelling Bee
Unit 5: Organization, Covering, Support, Movement, and Protection	Activities/Assessment
Describe the organization of the body.	
Discuss the structures and functions of the integumentary system.	
Explain diseases and disorders of the integumentary system and related signs and symptoms and treatment methods.	Sun Safety Commercial Group Presentation
Compare the structures and functions of the skeletal system with its relationship to movement.	Skeletal system Essay Written Assessment
Discuss diseases and disorders of the skeletal system and related signs, symptoms, and treatment methods.	
Compare the structures and functions of the muscular system with its relationship to movement.	
Discuss diseases, disorders, and injury of the muscular system and related signs, symptoms, and treatment methods	Speaker

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Third Nine Weeks

Unit 6: Vital Organs, Intake, and Protection	Activities/Assessment
Identify and discuss the structures and functions of the cardiovascular system and their role in maintaining homeostasis.	
Discuss diseases and disorders of the cardiovascular system and related signs, symptoms, and treatment methods.	<i>Poster Presentation of Chronic Illness</i>
Describe the structures and functions of the respiratory system.	
Discuss diseases and disorders of the respiratory system and related signs, symptoms, and treatment methods.	<i>Speaker : Respiratory Therapist</i>
Explain the structures and functions of the lymphatic system.	
Discuss diseases and disorders of the lymphatic system and related signs, symptoms, and treatment methods.	

Fourth Nine Weeks

Unit 7: Intake and Elimination	Activities/Assessment
Describe the structures and functions of the digestive system.	
Discuss diseases and disorders of the digestive system and related signs, symptoms, and treatment methods.	
Explain the structures and functions of the urinary system as they relate to the formation, composition, and elimination of urine.	
Discuss diseases and disorders of the urinary system and related signs, symptoms, and treatment methods	<i>Speaker: Fresenius</i>
Unit 9: Reproduction and Health Maintenance Practices	Activities/Assessment
Discuss the structures and functions of the male and female reproductive systems.	
Discuss diseases and disorders of the reproductive system and related signs, symptoms, and treatment methods.	

Health Science II

First Nine Weeks:

Unit 1: Course Orientation, Safety Review, Clinical Policies, and Employability	Activities/Assessment
Describe the purpose of the course, review safety skills, and explain clinical policies	<ul style="list-style-type: none"> • Introduction to class using syllabus • Pacing guide • Student application • Student handbook • Learning Style inventory • Interest Inventory • Personality test
Identify the personal traits of the health care professional.	
Demonstrate basic employability skills.	
Recognize the components for career decision-making.	
Unit 2: Emergency Services and Technical Skills	Activities/Assessment
Describe the field of emergency services.	<i>Speaker: Med Stat Paramedics/EMT's</i>
Demonstrate procedures for measuring and recording vital signs, including normal ranges.	
Perform skills obtained in training or certification for Basic Life Support for Health Care Providers.	
Demonstrate the necessary skills to provide first aid treatment.	<i>Role Play: Providing First aid in an emergency</i>

Second Nine Weeks:

Unit 3: Human Growth and Development	Activities/Assessment
Discuss the stages of growth and development across the lifespan.	<i>Field Trip: Local Elementary School</i>
Explain the concepts related to death and dying.	<i>Speaker: Mortician</i>
Unit 4: Rehabilitative Services	Activities/Assessment
Explore the field of sports medicine.	<i>Speaker: Physical therapist/ Occupational Therapist or Personal Trainer</i>
Explore the field of rehabilitative services.	

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Third Nine Weeks:

Unit 5: Medical and Nursing Services	Activities/Assessment
Explore the field of medical and nursing services.	
Review the skills required to become a certified nursing assistant (CNA) including physical care skills, psychosocial care skills, nurse aide skills, and activities of daily living (ADL) skills.	<i>Field Trip: Liberty Health and Rehab</i>
Unit 6: Therapeutic Services	Activities/Assessment
Explore the field of nutrition and dietetic services.	<i>Role Play: Creating meal trays for certain illnesses</i>
Explore the field of respiratory care	
Explore the field of mental health services.	

Fourth Nine Weeks:

Unit 7: Pharmacological and Diagnostic Services	Activities/Assessment
Explore the field of pharmacological services.	<i>Speaker: Pharmacist</i>
Explore the field of medical imaging services.	
Explore the field of medical laboratory services.	<i>Field Trip: MDCC Laboratory Program</i>
Unit 8: Information Technology and Health Informatics	Activities/Assessment
Describe basic health information concepts and literacy skills.	
Discuss concepts related to privacy and confidentiality of health information.	
Explore the field of health informatics.	