

2010/2011 Health Science I
PTH402 - 36 weeks
DoDEA Course Description and Competencies

About the Program

Health Science I prepares students for careers in the Medical industry. The course sequence focuses on duties and tasks performed by professionals in Medicine as well as pre-employment and employment skills.

Major Concepts/Content: This course is designed to develop students' personal qualities, communication skills, and basic health care skills for application to a career in the health care profession. Students will be provided the opportunity to acquire First Aid and CPR certifications. The course integrates understanding of basic health care systems and health care careers. Also included are: applications of fundamental math principles to health care situations; understanding safe work practices as they relate to the prevention of illness or injury to clients, co-workers and self; and demonstrating understanding through written and oral practice.

Major Instructional Activities: Instruction includes understanding disease transmission, care of infants and children through pre-school, and care of dependent disabled and geriatric clients. Effective decision-making and problem-solving strategies will be incorporated in instructional activities.

Major Evaluative Techniques: Hands-on experiences, equipment, and materials will make up a substantial portion of the course.

The table below is a competency list for the Health Science I course. The competencies are considered essential and are required of all students.

PTH402 36 weeks	Health Science I TASKS/COMPETENCIES
Implementing DoDEA's CTE Course Requirements	
• 001	Demonstrate DoDEA's Workplace Readiness Skills in course activities.
• 002	Identify issues related to this field of study that affect the environment and impact local and global communities.
• 003	Identify Internet safety issues and procedures for complying with acceptable use standards.
All Human Body Systems	
• 004	Analyze the relationship of tissues, organs, and body systems.
• 005	Explain and discuss the function and structure of human body systems, using appropriate medical terminology.
• 006	Analyze body tissues and membranes.
Diseases and Disorders	
• 007	Compare selected diseases/disorders including respective classification(s), causes, diagnoses, therapies, and care/rehabilitation to include biotechnological applications.
• 008	Contrast various types of immunities.
• 009	Compare the aging process among the body systems.
Communications	
• 010	Report relevant information communication skills.

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• 011	Interpret elements of verbal and non-verbal communication.
• 012	Discuss communication barriers.
• 013	Apply interpersonal communication skills.
Written Communication Skills	
• 014	Report relevant information in order of occurrence.
• 015	Organize, write and compile technical information and summaries.
• 016	Use medical terminology within a scope of practice in order to interpret, transcribe and communicate information, data and observations.
• 017	Analyze medical and dental terminology.
• 018	Interpret medical word roots, prefixes and suffixes.
• 019	Analyze words commonly used in medical/dental care.
Legal and Ethical Boundaries	
• 020	Differentiate between morality and ethics and the relationship of each to health care outcomes.
• 021	Differentiate between ethical and legal issues impacting health care.
• 022	Contrast personal, professional, and organizational ethics.
• 023	Analyze legal and ethical aspects of confidentiality.
• 024	Discuss bio-ethical issues related to health care.
• 025	Analyze and evaluate the implications of medical ethics.
Cultural, Social, and Ethnic Diversity	
• 026	Discuss the impact of religions and cultures on those giving and receiving health care with an understanding of past and present events.
Infection Control	
• 027	Practice infection control procedures.
• 028	Practice appropriate cleaning and disinfecting processes.
• 029	Contrast medical and surgical asepsis.
Healthy Behaviors	
• 030	Apply behaviors that promote health and wellness.
• 031	Use practices that promote the prevention of disease and injury to include proper nutrition and healthy lifestyle choices.
• 032	Identify safety practices as related to high-risk behaviors
Enhancing Career Exploration and Employability Skills	
• 033	Create a résumé.
• 034	Create or update a portfolio containing representative samples of student work.