HLSC-HEALTH SCIENCE

HLSC 1510. Medical Terminology
3 Credits (3)
The study and understanding of medical terminology as it relates to diseases, their causes and effects, and the terminology used in various medical specialties. This course includes word construction, spelling, comprehension, pronunciation, application and abbreviations.
Learning Outcomes
1. Apply prefixes, suffixes, and combining forms to build medical terms.
2. Identify terms for body regions, planes, cavities and membranes.
3. Select medical terminology names, locations and functions of the major organs of the body systems.
4. Identify the medical terms associated with major disease processes and procedures.
5. Demonstrate correct medical linguistic skills.

HLSC 1515. Advanced Medical Terminology
3 Credits (3)
Builds upon the concepts covered in (abbreviation numbering for Medical Terminology) providing greater understanding of how to properly use and apply medical terminology used in the various health fields. Medical terminology associated with the body system's anatomy and physiology, diagnostic and therapeutic procedures, pharmacology, and abbreviations will be emphasized.
Prerequisite: HLSC 1510.
Learning Outcomes
1. State the derivation of most healthcare terms.
2. Build medical terms to their accurate plural form.
3. Identify appropriate terms to the associated organization, position, and direction of the body.
4. Identify appropriate terms to the associated organ systems of the body.

HLSC 1520. Anatomy and Physiology for Health Careers
4 Credits (3+3P)
This introductory course explores the fundamental principles of human anatomy and physiology. Providing a foundation in essential concepts of the function and structure of the human body for those interested in health careers. May be repeated up to 4 credits.
Learning Outcomes
1. Describe the structural organization of the human body.
2. Identify the major body systems and their key functions.
3. Use anatomical terminology to describe body planes, directions, regions, and cavities.
4. Identify the major organs within each body system and their anatomical locations.
5. Explain how the structure and function of the human body change across the lifespan.
6. Identify common pathologies, signs, symptoms, etiology, diagnostic measures, and treatment modalities related to each body system.

HLSC 1530. Pathophysiology for Health Sciences
3 Credits (3)
Introduction to the nature of disease and its effect on body systems. Disease processes affecting the human body via an integrated approach to specific disease entities will be presented including a review of normal functions of the appropriate body systems. Diseases will be studied in relation to their etiology, pathology, physical signs and symptoms, diagnostic procedures, complications, treatment modalities and prognosis.
Learning Outcomes
1. Describe basic disease concepts, including mechanisms of disease, neoplasms, inflammation, and infection.
2. Examine the basic anatomy and physiology of the body systems, etiology of various diseases and conditions, important signs and symptoms of disorders, common diagnostics, typical course and management of disorders, preventive measures, and the effects of aging.
3. Identify the terminology, etiology, signs and symptoms, common diagnostics, typical course and management of disorders, and preventive measures associated with genetic and developmental disorders, childhood diseases, and mental health disorders.
4. Recognize important medical terminology related to the understanding of human diseases.
5. State the drug classifications and examples of medications in each class used to treat diseases, disorders and conditions related to each body system.

HLSC 1540. Legal and Ethical Issues in Health Care
3 Credits (3)
This course examines the legal and ethical considerations inherent in healthcare delivery. Students will analyze real-world case studies to understand the impact of professional actions on patients, families, and employers, while exploring the legal and ethical responsibilities of healthcare professionals, researchers, and policymakers.
Learning Outcomes
1. Analyze and apply ethical principles and legal frameworks to complex healthcare scenarios, including those related to patient rights, professional liability, and emerging bioethical issues.
2. Describe and evaluate the structure and function of the U.S. legal system as it pertains to healthcare professionals, including key legal terms, doctrines, and workplace regulations.
3. Discuss and address contemporary issues in healthcare, such as patient confidentiality, record keeping in the digital age, and the national healthcare crisis, within an ethical and legal context.
4. Explain the significance of integrating scientific knowledge, clinical expertise, and professional conduct in healthcare practice, and analyze how societal values and public law shape healthcare decision-making.
5. Apply theories and methods of ethical decision-making to resolve dilemmas encountered in healthcare practice, including understanding the interplay of public and private law.