



MEDICAL ANATOMY & PHYSIOLOGY

COURSE DESCRIPTION

This full-year course provides students with an in-depth study of healthcare careers including actual clinical experience in a variety of area. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, medical ethics and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs.

DSD combines this course with Medical Terminology and Case Studies in Health Science at Weber State University for a two period, yearlong course.

STRANDS:

- Students will explore and describe the body plan, organization, and homeostasis.
- Students will explain basic principles of body chemistry.
- Students will describe basic concepts of structures and functions of cells.
- Students will describe basic concepts of structures and functions of histology, and the integumentary system.
- Students will describe the structures and functions of the skeletal system and its components
- Students will describe the structures and functions of the muscular system.
- Students will describe the structures and functions of the nervous system and special senses.
- Students will describe the structures and functions associated with the endocrine system.
- Students will describe the components and functions associated with blood.
- Students will describe the structures and functions of the lymphatic system.
- Students will describe the structures and functions of the cardiovascular system.
- Students will describe the structures and functions associated with the respiratory system.
- Students will describe the structures and functions associated with the digestive system.
- Students will describe the structures and functions associated with the urinary system.
- Students will describe the structures and functions associated with the reproductive system.
- Medical Terminology



DAVIS ESSENTIAL SKILLS AND KNOWLEDGE

- Case Studies in Health Science

PERFORMANCE OBJECTIVES:

- Students will participate in a minimum of three career exploration experiences to investigate a variety of health care careers related to therapeutic services, diagnostic services, health informatics, support services, and biomedical research and development pathways.
- Students will provide an oral and/or written report for each career exploration experience.
- Students will select a topic and defend their position on a current medical ethics dilemma.