

Montgomery County Community College
HCP/MAS/BIO 104
Human Body in Health and Disease
3-3-0

COURSE DESCRIPTION:

This introductory course provides students with the essentials of anatomy, the basic functions of the human body and the effects of disease using a systems approach. The normal structural organization and processes of each body system, common diseases,

- iii. Current Medical Treatments
- 5. Circulation and Body Defense
 - a. Blood
 - i. Structure
 - ii. Functions
 - iii. Blood Types
 - iv. Blood Disorders
 - v. Blood Studies
 - b. Heart
 - i. Structures
 - ii. Heart Function
 - iii. Repair and Healing
 - iv. Common Disorders
 - v. Current Medical and Surgical Treatments
 - c. Blood Vessels and Circulation
 - i. Structures
 - ii. Circulation- Blood Flow, Pulse, and Blood Pressure
 - iii. Common Disorders
 - iv. Current Medical and Surgical Treatments
 - d. Lymphatic System
 - i. Structures
 - ii. Functions
 - iii. Common Disorders and Current Treatments
 - e. Immunity
 - i. Innate and Adaptive
 - ii. Immune Disorders
- 6. Energy Supply and Use
 - a. Respiratory System
 - i. Structures
 - ii. Respiration
 - iii. Common Disorders and Current Treatments
 - b. Digestive System
 - i. Structures
 - ii. Functions
 - iii. Common Disorders and Current Treatments
 - c. Urinary System
 - i. Structures
 - ii. Functions
 - iii. Common Disorders and Current Treatments
- 7. Perpetuation of Life
 - a. Reproductive System
 - i. Male Structures and Functions
 - ii. Common Disorders and Current Treatments
 - iii. Female Structures
 - iv. Female Reproductive Cycle
 - v. Common Disorders and Current Treatments

