DEFINITIONS

Anatomy

- It is the study of the structure of living things. There are 3 main areas of anatomy: CYTOLOGY studies the structure of cell; HISTOLOGY examines the structure of tissues ad GROSS ANATOMY deals with organs and organ grouping called systems. Comparative anatomy which strives to identify general structural patterns in families of plants and animals, provided the basis for the classification of species. Modern anatomy as a branch of western science was founded by the Flemish scientist ANDREAS VESALIUS. (Lerner, Brenda and Lerner Lee World of Anatomy and Physiology Detroit: Thomson, c2002, Ref 612.003 W927, Reference Unit, University Library)

- Human anatomy or anthroponomy is a special field within anatomy. It studies organs and organ systems of the human body, leaving the study of tissues to histology and cells to cytology. The human body, like the bodies of all animals, is made up of systems, that are made up of organs, that are made up of tissues, that are made up of cells.

Physiology

- Human physiology is the science of the mechanical, physical, and biochemical functions of normal humans or human tissues or organs. The principal level of focus of physiology is at the level of organs and systems. Most aspects of human physiology are closely homologous to corresponding aspects of animal physiology, and animal experimentation has provided much of the foundation of physiological knowledge. Human physiology is one of the basic sciences of medical study, and as such is most often applied as medical care.

- The science which treats the functions of the living organism and its parts, and of the physical and chemical factors and processes involved. It is also the basic processes underlying the functioning of the species or class of organism, or any of its parts and processes. (Dorland's illustrated medical dictionary, 30th ed. Philadelphia: Saunders, c2003. Reference Unit, University Library)

BOOKS


Circulation Section
3rd Floor


Chamley, Carol A (2005) *Developmental anatomy and physiology of children : a practical approach* 612.65 D489


Reeder, Greg (2007) Solve Saladin crossword puzzle supplement to accompany Kenneth S. 
Saladin’s Anatomy & physiology: the unity of form & function. 4th ed. 612 R327

Saladin, Kenneth S. (2005) Human Anatomy. 611 Sa159


AUDIO-VISUAL MATERIALS

Audio-Visual Center (AVC)
2nd Floor

Anatomy and physiology revealed : an interactive cadaver dissection experience (CD-ROM)
CDR 612 An535

Cells, anatomy and physiology, and chemistry (Video Recording 25 min)
646.72 C393

Essentials of interactive functional anatomy by Hillman, Susan K. (CD-ROM)
CDR 611 H654

Human Physiology (Transparencies)
T 612 T772 2004

Interactive functional anatomy by Hillman, Susan K. (DVD-ROM)
DVD-R 611 H654 2003

The dynamic human : the 3D visual guide to anatomy & physiology (CD-ROM)
CDR 611 D997 (1996)

The Universe within (VCD)
DVD 612 Un58 2002

Ultimate Guide to the Awesome : Human Body (VCD)
VCD 612 Ul47 2004

JOURNAL ARTICLE

Periodicals Section
2nd Floor

Anatomy's full monty. by J. Bohannon. Science. 301(5637) p. 1172-1175. Ag 29’03

ELECTRONIC JOURNALS

Accessible Thru HAU Library Webpage
Proquest 5000

- Anatomischer Anzeiger
- Brain Structure and Function
- Italian Journal of Anatomy and Embryology
- Surgical and Radiologic Anatomy
- Annual Review of Physiology
• BMC Physiology
• Canadian Journal of Physiology and Pharmacology
• Comparative Exercise Physiology
• European Journal of Applied Physiology
• Journal of Comparative Physiology
• Journal of Comparative Physiology, B, Biochemical, Systemic, and Environmental Physiology
• Journal of Evolutionary Biochemistry and Physiology
• Kidney & Blood Pressure Research
• Neuroscience and Behavioral Physiology
• Pflügers Archiv - European Journal of Physiology
• Skin Pharmacology and Physiology

INTERNET RESOURCES

Multimedia and Internet Workstation
2nd and 3rd Floor, University Library

Inner Body: Your Guide to Human Anatomy online.

It is an inner exploration of Human Anatomy. Each topic has animations, 100’s of graphics, and thousands of descriptive links. Study the anatomy of the human body. It’s fun, interactive, and an ideal reference site for students or those who just want to know more about the medical descriptions used by doctors and nurses.

Human Anatomy Study Guide.

Humananatomystudyguide.com is dedicated to providing quality information on the software based human anatomy study guide. This system of videos comes with FREE software that shows the human body in 3D! Here you will find helpful reviews, informative information and tips and much more. This site is in the format of a ‘weblog’ so that each time I post new information; it will come to the top of the front page. This means that you can check back here frequently to see new updates to the information found here.

Resources for Teaching Human Anatomy and Physiology.

The Sourcebook for Teaching Science – Strategies, Activities, and Instructional Resources, provides new and experienced teachers a wealth of teaching strategies, resources, lessons, activities, and ideas to enhance the teaching and learning of physics, chemistry, biology, and the earth and space sciences. Resources are based on learning theory, and are designed to stimulate student interest and involvement. As students engage in the activities of this book, they develop higher order reasoning skills, and a deeper understanding of scientific concepts and their relevance to their everyday life.