

Course Outline

Course Description

An EMT must have a rudimentary understanding on how the Human Body functions. This understanding allows a practicing EMT to make informed prehospital assessments and treatment decisions when patients are in distress. This course will introduce the student to the normal functioning components of the Human Body. The students will apply their knowledge of anatomy and physiology to their assessment and treatment skills.

Course Outcome

Upon completion of this course the student will:

1. Relate anatomy and physiology knowledge to EMT skill application
2. Describe the organization of the human body
3. Explain the functions of specific body systems
4. Describe how the body attempts to maintain homeostasis
5. Consider how the human body works as a machine
6. Explain the relationship between cells, tissues, organs, and systems
7. Use anatomical terms when describing the human body
8. Explain the functions of major organs found in each body system

Evaluation

- One multiple choice exam worth 10% of the overall mark in EMT 400 course.

Course Resources

Internet Sources

Organization	Description	URL
Access Excellence A National Health Museum	The Site for health and bioscience teachers and students	http://www.accessexcellence.org/
Visible Human Cross Section	A really neat site for seeing into the body	http://www.meddean.luc.edu/lumen/Med/Ed/GrossAnatomy/cross_section/index.html
Think Quest – “Welcome to nature’s best – Human body”	Body systems	http://library.thinkquest.org/2935/

Instant anatomy	Illustrations of the Human body	http://www.instantanatomy.net/anatomy.html
Myhealthscore.com	Human Anatomy Online	http://www.innerbody.com/htm/body.html
Anatomy Atlasis	Atlas of Human Anatomy	http://www.anatomyatlases.org/atlasofanatomy/index.shtml
Pearson	Essentials of Paramedic Care	http://wps.prenhall.com/ca_ph_bledsoe_ess_1

Course Texts

Bledsoe, B. Porter, R. Cherry, R. Clayden, D., (2006) *Essentials of Paramedic Care, volume 1* (Canadian Edition). Prentice Hall: Toronto.

Bledsoe, B. Porter, R. Cherry, R. Clayden, D., (2006) *Essentials of Paramedic Care, volume 2* (Canadian Edition). Prentice Hall: Toronto.

Campbell, J. E., (2007) *International Trauma Life Support for Prehospital Care Providers* (5th Ed.). Prentice Hall: New Jersey.

Martini, F.H. & Bartholemew, E.F. (2007) *Essentials of Anatomy and Physiology* (4th Edition). Prentice Hall: San Francisco.

Venes, Donald. (2001) *Taber's Cyclopedic Medical Dictionary* (20th edition). F.A. Davies Company: Philadelphia.