Common Course Outline
BIOL 130
Human Anatomy for Mortuary Science
3 Credits

Community College of Baltimore County

Description

BIOL 130 – 3 Credits – Human Anatomy for Mortuary Science studies the human body with particular emphasis on those systems providing the foundation for embalming, pathology, public health and restorative arts.

3 credits: 2 lecture hours per week; 3 laboratory hours per week
Prerequisite: Acceptance into the Mortuary Science Program

Overall Course Objectives

Upon completion of this course students will be able to:

1. define anatomical terms and describe body organization in order to communicate effectively with fellow allied health professionals and the general public;
2. compare and contrast among anatomical guides, linear guides, and anatomical limits;
3. explain the relationship of selected topographical regions to arteries and veins;
4. compare and contrast the different categories of articulations and give examples of each;
5. identify and describe the major layers of the integumentary system and its accessory structures, and state the function of each;
6. identify and describe the major subdivisions of the skeletal system; list and identify individual bones by their type, numbers and state the functions of each;
7. identify and describe the structure and functions of the organs of the digestive system and its accessory organs;
8. identify and describe the structure and functions of the organs of the urinary system and trace the flow of urine through the system;
9. identify and describe the structure and functions of the major organs of the male and female reproductive systems;
10. identify and describe the structure and functions of the major organs of the respiratory system; differentiate between internal and external respiration and trace the flow of air during inhalation and exhalation;
11. identify and describe the major structures and functions of the cardiovascular system;
12. list and discuss the components of blood, and describe the function of each;
13. trace the flow of blood through the major arteries and veins of the cardiovascular system;
14. identify and describe the major organs and vessels of the lymphatic system, and name their functions;
15. identify selected endocrine structures and describe their location and functions;
16. discuss the organization of the nervous system; list its divisions and the major structures and describe the functions of each; and
17. identify selected skeletal muscles and describe their location and function.

Major Topics

I. Subdivisions of anatomy
II. Anatomical position
III. Terms of reference used in descriptive human anatomy
IV. Topographical human anatomy
V. Integumentary system
VI. Skeletal system and articulations (arthrology)
VII. Bones and muscles of the face and cranium
VIII. Digestive system
IX. Urinary system
X. Reproductive system
XI. Respiratory system
XII. Cardiovascular system and blood
XIII. Arterial and venous circulation
XIV. Endocrine system
XV. Muscular system

Course Requirements

Specific assignments and procedures for evaluating student performance in the class will be described in the individual class syllabus.

Grading/exams: Grading procedures will be determined by individual faculty members but will include the following:

- at least 5 exams and a comprehensive final examination in the lecture portion of the course. 75% of the grade will be derived from the lecture component of the course,
- a minimum of 2 laboratory practical exams. 25% of the grade will come from the laboratory practicums.

Lecture and lab are not separate courses and must be taken concurrently.
Students must pass the lab and lecture components with a 78% or better; failure to earn a minimum of 78% in either the lecture or the lab will result in failure of the entire course. Credit for homework, attendance, non-proctored work, extra credit or open book tests can only be given with written permission from the biology coordinator.

The mortuary science grading policy is as follows;
92% – 100% = A
85% – 91.99% = B
78% – 84.99% = C
70% – 77.99% = D
0% – 69.99% = F

Writing: The individual faculty member may require specific writing assignments. Individual faculty members may include additional course objectives, major topics and other course requirements above the minimum expectations stated in the Common Course Outline. Students are required to utilize appropriate academic resources.

Other Course Information

This course is a requirement for an Associate in Applied Science in Mortuary Science, which, in the State of Maryland, is required to sit for the National Board Examination (NBE). The NBE is implemented by the International Conference of Funeral Service Examining Boards. The Mortuary Science Program is statewide designated by the Maryland State Board of Higher Education and is nationally accredited by the American Board of Funeral Service Education.

The following books are recommended by the American Board of Funeral Service and the International Conference of Funeral Examining Boards:

- Anatomy for Funeral Service by Professional Training Schools
- A Programmed Approach to the Circulatory System by George Sackheim
  Gray's Anatomy for Students by Drake, Richard, and A. Vogul and Adam Mitchell.
- Human Anatomy and Physiology by Marieb, E.N.
- Principles of Anatomy and Physiology by Tortura, G and Derrickson, B.