



MISSION STATEMENT

"The official mission of BCI is to bring skill based education to all persons wanting a career in allied health care"

ANATOMY & PHYSIOLOGY DIDACTIC COURSE

Clinical Component Meeting Time: Wednesdays 9:00am – 3:00pm and Fridays 9:00am – 3:00pm Lab

Instructors: TBA

Office Address: 422 Main St, Malden MA 02148

320 Washington St, Brookline, MA 02445

Office Phone: Malden (781)333-3522 - Brookline (617)383-6058

E-mail: TBA

Office Hours: By appointment

Admissions Requirement: High School Diploma or Equivalent

I. Course Description

This seminar is designed to introduce the student to the structure and function of the following body systems: skeletal, muscular, nervous, sensory, circulatory, respiratory, digestive and urinary systems. This class offers information concerning normal human structures, functions and the developmental changes that occur during an individual's life span.

II. Course Goals and Objectives

The goals of this model curriculum are to:

- Understand how the progression of structural levels (atoms, molecules, compounds, cells, tissues, organs, and systems) contributes to the body's order and stability.
- Understand how all parts of the human body contribute to the maintenance of homeostasis.
- Understand how the integumentary system, skeletal system and muscular system each function in protection, support and movement.
- Understand how the cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system and immune system each function in the distribution of materials and contribute to the maintenance of homeostasis

- Understand how the nervous system (central, peripheral & autonomic), organs of sensation and endocrine system each contribute to the regulatory control, integrative communication and systemic coordination within the human body.
- Understand how the reproductive system, genetics, and aging process each contribute to the reproduction, growth and development of a human body.

III. Class Expectations and Assignments

Students will be expected to practice self-study through reading assigned materials, reviewing pertinent resources and/or working as a group on assignments.

IV. Grading

Each student must attain a grade of 75% or higher to pass

The final grade is made up of:

- Attendance
- Homework
- Final Exam

A cumulative final grade below 75% is considered a failing grade. The student is allowed one make-up test. In case the student fails the make-up test, he/she will be offered remedial classes for a prorated fee based on the number of sessions.

V. Outcomes

After studying all materials and resources presented in the course, the student will be able to:

- Use anatomical terminology to identify and describe locations of major organs of each system covered.
- Explain interrelationships among molecular, cellular, tissue and organ functions in each system.
- Describe the interdependency and interactions of the systems.
- Explain contributions of organs and systems to the maintenance of homeostasis.
- Identify causes and effects of homeostatic imbalances.

**Student success is our priority, don't hesitate to ask questions and always give your best!!!!
Good Luck**

WEEK	SUBJECT MATTER	ACTIVITIES
WEEK 1	<ul style="list-style-type: none"> • The Human Body • Cell • Tissue • Blood 	<ul style="list-style-type: none"> • Pre-Lecture Assessment • Discussion on Pre Assignment • Presentation on topics • Body Planes and Human Body Identification • Activity and Cell Lab • Post Lecture Review Quiz
WEEK 2	<ul style="list-style-type: none"> • Integumentary System • Skeletal System • Muscular System 	<ul style="list-style-type: none"> • Pre-Lecture Assessment • Discussion on Pre Assignment • Presentation on topics • Onion Dissection and Bone Labeling • Post Lecture Review Quiz
WEEK 3	<ul style="list-style-type: none"> • Nervous System • Lymphatic System • Reproductive System 	<ul style="list-style-type: none"> • Pre-Lecture Assessment • Discussion on Pre Assignment • Presentation on topics • Post Lecture Review Quiz
WEEK 4	<ul style="list-style-type: none"> • Cardiovascular System • Respiratory System • Digestive System • Urinary System 	<ul style="list-style-type: none"> • Pre-Lecture Assessment • Discussion on Pre Assignment • Presentation on topics • Post Lecture Review Quiz