

ANATOMY AND PHYSIOLOGY

(HSC 1389 classroom or HSC 1197 online)

Knowledge and application of some basic computer skills are needed to be successful in some of the healthcare courses and in the healthcare setting in general.

COMPUTERS FOR THE HEALTHCARE SETTING is strongly recommended and includes:

- *Introduction to Computers*
- *Microsoft Word*
- *Keyboarding*

Program Overview:

This course begins with an explanation of the nature of matter and a review of the principles of chemistry that are important to human physiology. We'll place an emphasis on the organization of the human body and the differences between nonliving matter and living organisms. We'll also cover cell anatomy and physiology because all life processes are ultimately carried out at the cellular level. You'll also learn principles of genetics and gain an understanding of how traits are passed from one generation to the next. After we've established this foundation, we'll survey the anatomy and physiology of each of our 11 organ systems. You'll learn how our nervous system allows us to receive, process, and interpret sensation and send messages to our muscles and glands. We'll cover the skeletal and muscular systems, learning how they make movement possible, and also about some of their little-known but equally essential functions. This course explains how the circulatory and respiratory systems work together to provide our bodies with the oxygen our tissues need, and how they work together with the skin and kidneys to rid our bodies of wastes. We'll also spend time on the endocrine system, which supplies the hormones we need for our survival, and the reproductive system, that group of organs that allows life to be passed on to another generation. We'll also discuss functions of the different organ systems that you'll probably find surprising. In addition, each lesson includes information about specific disorders that sometimes happen to our bodies, and we'll also talk about some recent advances in medicine.

Course Cost: \$295- Book is available at York Technical College bookstore approx. \$110.

Visit our website at www.yorktech.com

**If you have any questions please contact:
Continuing Education/ Health and Human Services
Fax (803) 981- 7327**

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To ensure participation, students should register five business days prior to the start of class. Refunds will not be given to persons cancelling less than two business days prior to the start of class. If we are forced to cancel a class due to low enrollment, full refunds will be made.

Anatomy and Physiology-HSC 1389

Classroom Setting

Wednesday 5:30–9:30 PM 8 weeks (32hrs) \$295 de	ANATOMY AND PHYSIOLOGY HSC 1389 <i>This course is a basic integrated study of the structure and function of the human body.</i>
	HSC 1389 001 3/18/09 – 5/6/09 (3/18,3/25,4/1,4/8,4/15,4/22,4/29,5/6)
	HSC 1389 002 5/13/09 –7/1/09 (5/13,5/20,5/27,6/3,6/10,6/17,6/24,7/1)
	HSC 1389 003 9/16/09-11/4/09 (9/16,9/23,9/30,10/7,10/14,10/21,10/28,11/4)
	HSC 1389 001 11/11/09-1/20/10 (11/11,11/18,11/25,12/2,12/9,12/16,1/6,1/13)

Books are approximate pricing and are subject to increase by York Technical College Bookstore			
HSC 1389	Anatomy and Physiology	Structure and Function of the Body (AP) by Thibodeau	\$53
		Anatomy and Physiology Packet	\$4

Anatomy and Physiology-HSC 1197 070

Online

Beginning Date	Ending Date
1/21/09	3/13/09
2/18/09	4/10/09
3/18/09	5/8/09
4/15/09	6/5/09
5/20/09	7/10/09
6/17/09	8/7/09
7/15/09	9/4/09
8/19/09	10/9/09
9/16/09	11/6/09
10/21/09	12/11/09
11/11/09	1/1/10
12/9/09	1/29/10