# Syllabus Biological Science 151: Human Anatomy and Physiology

Monday, Wednesday, Friday 1:30 - 2:20pm CTCC 251

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Human Anatomy and Physiology (Bio 151) is the first part of a two semester's course for health/medical sciences programs. Course material this semester encompasses a detailed overview of the following systems: integumentary, skeletal, muscular, and nervous systems. The course consists of three lecture hours and one three hour lab per week; the lab is intended to supplement the lecture and offer the opportunity to observe the structures and functions discussed in lecture.

### **Required Texts and Supplementary Materials:**

-Fundamentals of Anatomy and Physiology (9th Edition) Authors: Frederic H. Martini, Judi L. Nath and Edwin F. Bartholomew -Computer with internet access

-Access to MasteringA&P

-PAL 3.0 (Practice Anatomy Lab) available in the study area of MasteringA&P.

## **Expected Course Learning Outcomes:**

- 1. Identify and demonstrate an understanding of major cell and tissue types
- 2. Identify selected structures of the human body
- 3. Relate the structures of the human body to their functions.
- 4. List the organ systems of the human body and explain their functions
- 5. Develop basic laboratory and dissection, skills which can be utilized in further investigations.
- 6. Apply knowledge of structure and function learned at one level or system to other levels or systems.

Grading Policy:		A=90% and up
Attendance/participation	10%	B= 80-89%
Quizzes/Homework	30%	C=70-79%
Mid-Term	30%	D= 60-69%
Final Exam	30%	F= less than 60%

-Please note that this point system is tentative and may change slightly.

-You are responsible for all material covered in class. If you foresee missing more than one or two days of class, please inform me.

-Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735-4845 or email: jyasuhar@chaminade.edu) by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at: http://www.chaminade.edu/student\_life/sss/counseling\_services.php.

### **Academic Honesty**

Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action according to the University policies which may include recommendation for dismissal.

### Attendance and submittal of late work and make-up of missed quizzes/exams policy:

Attendance to all scheduled lectures is required and students should be on time or early. Late-work submittals and make-up of missed quizzes and exams will not be permitted, without prior approval by instructor.

**Withdrawal policy**: Please consult your program coordinators for assistance regarding withdrawal from this course.

### **Electronics:**

No cell phone or other electronics use is permitted without specific permission from the instructor.

**Course Structure:** This course is taught in connection with the laboratory portion. Lectures will be formal and full attendance is required. In the event of an absence, lecture information will not be provided by the instructor. It is the student's responsibility to network with peers to get the relevant information. Laboratory will follow lecture topics unless otherwise specified.

### Listed below are the four important components of this course:

### **#1 Lecture**

You should read the chapter corresponding to the relevant lecture. Note taking is highly recommended. Power point lecture will be made available.

## #2 Homeworks

The mastering A&P assignment will help you stay on track with the material. They must becompleed ontime and will be graded. The cumulative grade will represent 30% of the grade for this class.

## #3 Examination

Exams will consist of the following potential question types: multiple choice, fill in the blank, short answer, and essay questions.

## #4 Participation:

Participation grade includes attendance, group assignments, and participation in class discussions. Every student must sign into the attendance book upon attending class. Failure to attend regular classes for unexcused reasons will result in a grade no higher than a B.

Monday	8/26/2013	Introduction,	
Wednesday	8/28/2013	Chap 1	Introduction to Anatomy and Physiology
Friday	8/30/2013	Chap 1	Introduction to Anatomy and Physiology
Monday	9/2/2013		Labor day. No class
Wednesday	9/4/2013	Chap 4	Tissue level of Organisation
Friday	9/6/2013	Chap 4	Tissue level of Organisation
Monday	9/9/2013	Chap 4	Tissue level of Organisation
Wednesday	9/11/2013	Chap 5	The Integumentary System
Friday	9/13/2013	Chap 5	The Integumentary System
Monday	9/16/2013	Chap 6	Osseous Tissues and Bones Structure
Wednesday	9/18/2013	Chap 6	Osseous Tissues and Bones Structure
Friday	9/20/2013	Chap 6	Osseous Tissues and Bones Structure
Monday	9/23/2013	chap 7	The Axial Skeleton
Wednesday	9/25/2013	chap 7	The Axial Skeleton
Friday	9/27/2013	chap 7	The Axial Skeleton
Monday	9/30/2013	chap 8	The Appendicular Skeleton
Wednesday	10/2/2013	chap 8	The Appendicular Skeleton
Friday	10/4/2013	chap 8	The Appendicular Skeleton
Monday	10/7/2013	chap 9	Articulations
Wednesday	10/9/2013	chap 9	Articulations
Friday	10/11/2013	Midterm	
Monday	10/14/2013		Discoverers' day. No class
Wednesday	10/16/2013	Chap 10	Muscle Tissue
Friday	10/18/2013	Chap 10	Muscle Tissue
Monday	10/21/2013	Chap 10	Muscle Tissue
Wednesday	10/23/2013	Chap 11	The Muscular System
Friday	10/25/2013	Chap 11	The Muscular System
Monday	10/28/2013	Chap 11	The Muscular System
Wednesday	10/30/2013	Chap 12	Neural Tissue
Friday	11/1/2013	Chap 12	Neural Tissue
Monday	11/4/2013	Chap 12	Neural Tissue
Wednesday	11/6/2013	Chap 13	The Spinal Cord, Nerves, and Spinal reflexes.
Friday	11/8/2013	Chap 13	The Spinal Cord, Nerves, and Spinal reflexes.
Monday	11/11/2013		Veterans' Day. No class
Wednesday	11/13/2013	Chap 13	The Spinal Cord, Nerves, and Spinal reflexes.
Friday	11/15/2013	Chap 14	The Brain and Cranial Nerves
Monday	11/18/2013	Chap 14	The Brain and Cranial Nerves
Wednesday	11/20/2013	Chap 14	The Brain and Cranial Nerves
Friday	11/22/2013	Chap 15	Neural Integration I: Sensory pathway and somatic NS
Monday	11/25/2013	Chap 15	Neural Integration I: Sensory pathway and somatic NS
Wednesday	11/27/2013	Chap 15	Neural Integration I: Sensory pathway and somatic NS
Friday	11/29/2013		Thanksgiving holiday. No class
Monday	12/2/2013	chap 16	Neural Integration II. Autonomic NS & Higher-Order Functions
Wednesday	12/4/2013	chap 16	Neural Integration II. Autonomic NS & Higher-Order Functions
Friday	12/6/2013	chap 16	Neural Integration II. Autonomic NS & Higher-Order Functions
Thursday	12/10/2013	Finals	11am to 1pm