

# Anatomy & Physiology

## Macomb County Community College

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### **Instructor's Information:**

Cliff Belleau / Adjunct Instructor

Biology Department / Division of Arts and Sciences

Office Hours / Room CR 266 / Monday & Wednesday - Prior to Scheduled Class or By Appointment

How to Contact: [belleauc@macomb.edu](mailto:belleauc@macomb.edu)

### **Anatomy & Physiology:**

BIOL-2710-C1627 Human Physiological Anatomy

08/21/17 - 12/13/17 CJ 104 - LEC - Monday & Wednesday - 2:00 PM to 3:55 PM

08/25/17 - 12/15/17 CJ 105 - LAB - Friday - 3:50 PM to 5:45 PM

### **Required Text for Lecture Session:**

Principles of Anatomy & Physiology By Tortora and Derrickson // Published by Wiley 14th Edition

### **Required Manuals for Laboratory Session:**

Human Physiological Anatomy Laboratory Manual / 2nd Edition by Wanda F. Ragland

### **Recommended Web Resources:**

**[www.mc3cb.com](http://www.mc3cb.com)** This Web site has my lecture notes, homework assignments, and videos. The site also provides a suite of other resources designed to help you master the Science Department's Lecture and Laboratory Learning Objectives. This Web site is designed as a "cafeteria style" resource center. You can pick and choose what you want to use. Some of the posted information is required or highly recommended for all students. Other information is purely optional. Some of these resources exceeds the course learning objectives. This information is posted as for "advanced learners only" and will not be included on the exams. On the Web site's "Orientation Page" you can find a digital copy of this syllabus, lecture schedule, exam schedule, lecture learning objectives, and laboratory learning objectives.

**[www.1biology.50megs.com](http://www.1biology.50megs.com)** This Web site is designed by the MC3 Science Department's Staff. The site contains a variety of resources to support all anatomy and physiology students.

### **Course Description:**

Anatomy and Physiology (BIO-2710) is designed to study the relationship between the form (i.e. anatomy) and the function (i.e. physiology) of the human body. We will explore the homeostatic mechanisms that regulate the human body with an emphasis on "organ systems". The course content is taught in a laboratory and lecture session, however. The unity of form and function is fundamental to the study of the human body. Therefore the separation is merely arbitrary and the discussions in this course often "drifts seamlessly" between the laboratory and lecture sessions. The Official Department's Course Objectives and Outcomes for both the laboratory and lecture sessions are available online at [www.mc3cb.com](http://www.mc3cb.com).

**Attendance:**

Learning is best when it is a collaborative experience. Therefore, everyone is encouraged to come to class and contribute to the discussion. If you miss a class, then it is your responsibility to find out what you missed from a classmate (i.e. you may want to exchange phone numbers or email addresses). If you are receiving a particular grant or financial aid package, then your stipend may require mandatory attendance. I am required to take attendance.

**Grading Policy:**

You will receive a single grade determined by an average of eight exams (4 anatomy lab exams and 4 physiology exams). Each exam has a 100 point value for a total of 800 points. Your test score will be translated to a percent value. The biology department grading scale is posted below. In addition to the 800 exam points, instructors are allowed to offer students "bonus points". You will be able to earn bonus points by taking a vocabulary matching quiz using Science Department's required terminology.

Points	Percent	Grade
400 Lab Pts	93%-100%	A
	90%-92%	A-
400 Lecture Pts	87%-89%	B+
	83%-86%	B
032 Bonus Pts /	80%-82%	B-
Earned by Word	77%-79%	C+
Bank Quizes / See	73%-76%	C
Lecture Objective	70%-72%	C-
Vocabular	67%-69%	D+
Terminology	63%-66%	D
	60%-62%	D-
	Below 60%	E

- \* Students who never attend class will receive an "NS" grade.
- \* Students who withdraw from the class before the official withdrawal deadline, will receive a "W".
- \* Students are responsible for checking with the registrar office to meet requirements and deadlines.
- \* Failure to formally withdraw from the class will result in an "E".
- \* All lecture and lab exams will require a Scantron.
- \* If a class is cancelled for example because of a "snow day" and an exam was scheduled on this day, then you can assume on the next scheduled session, you will have the exam.

**Important Dates: S2017**

See Attached Lecture Schedule For Holidays & Exam Dates

## **Exam Make-Up Policy:**

If a student has a “provable and extreme situation” that prevents the student from taking the lecture exam on the scheduled date, then the student may be able to make special arrangements with the instructor to take the lecture exam **before the scheduled date (not after the scheduled date)**.

Lab exams are *only offered on the scheduled exam day*. If you can not make your “schedule exam day and time” then you may be able to take your lab exam with a different lab session *however this is not always an option*. No lab exam will be offered on a day other than those days scheduled by the Science Department. If an exam is missed without prior notification, the student will receive zero points for the exam. Sorry, no exceptions!

## **Classroom Conduct:**

- \* At all time, you must respect your classmates, faculty, and staff at MC3.
- \* Do not damage school property including the laboratory models, charts and equipment.
- \* Come to class on time. If you arrive late, enter the class without disturbing the class in session.
- \* We will take a 10 minute break after 90 minutes of lecture.
- \* Turn off your cell phones when you come into class. No texting allowed during class!
- \* If you can not stay awake during the class, you will be asked to leave.
- \* Students are encouraged to ask questions.
- \* No MP3 style players or computers are permitted in my class.
- \* If you become a distraction to the other students who want to learn, then you will be asked to leave.
- \* Any disciplinary problems (e.g. cheating, class disruption, etc.) will be grounds for immediate dismissal from the class.
- \* Using a cell phone while taking an exam will be considered a cheating offense and it will result in an “E”.

## **About My Class and Method of Instruction:**

I am passionate about teaching Anatomy and Physiology! It is a fascinating subject. The human body is the most complex organism in the known universe. It has been said that the Space Shuttle was the most complex engineered machine. But a single cell from the tip of your finger is infinitely more complex than the Space Shuttle. So we should consider it a privilege to be able to study the human body!

I will be your “tour guide” as we explore the amazing function and structure of the human body. And here is the best thing about this tour. You will be learning about yourself! You will learn the human body’s structure and function: how we think, what are memories, how we move, how molecules dictate behavior, and much more! So what could be more interesting and exciting?

In the physiology lecture, I’ll use Powerpoint Slides and Demonstrations. I encourage questions. My lectures are “mapped to your lecture objectives”. Since all my lectures are posted on the internet, you don’t need to take copious notes during my lectures.

I believe learning requires preparation and participation. Students need to review the lecture topics at home before we cover the material in class. In class students need to be alert, focused, and think about the narrative of the lecture. This is “hard work”. After a lecture, you should be exhausted from “thinking” and not exhausted from scribbling down notes. There is a difference.

Some students may find it helpful if you print-out the lecture PowerPoint slides (i.e. select the “4 slides per page” option) for lectures. If you do this then you can write some additional notes on the slide plates. My goal for the lecture period is to create an environment in the classroom where you can listen, think and if necessary write down a few additional comments not covered in the power point slides

At [www.mc3cb.com](http://www.mc3cb.com), you will see that each chapter is formatted with my lecture material and additional resources: home work assignments, chapter study guide, and animations and/or videos. All of these resources are designed to support the lecture topics. For some of the chapters there are MP4 Chapter Review Audio Files. These are 15 minute audios that review key concepts related to the chapter’s subject. I will have more to say about this during our “first day orientation”.

The Anatomy Lab is self directed study to identify the Lab Learning Objectives. You will need to use this time to memorize and identify a series of structures. These objectives must be identified using models, charts, or dissection specimen provided for you in the lab. In lab I am a facilitator. I am in lab to answer your questions. You must direct your progress so you learn all the lab objectives before the lab exams. In lab you should work with other students to achieve these goals. Remember, if you can not find a structure, then you need to ask for help!

**Your success is a direct function of how well you prepare for the lectures and labs.** Remember, failure is not an index of your intelligence but simply a failure to prepare for success. You need to read the book and learn the lab objectives before we cover the material in lecture and lab. We will not cover all the topics in the book, however. I encourage you to read the book and use the book as a reference tool. If you are unable to read all the material then read those topics which we cover in lecture.

If you prepare for each lecture and lab session (i.e. read the text book assignments, write out the answers to the Lecture Objectives, review lab objectives you want to identify in lab, and watch the instructional videos), then you will be successful in my class. At the end of the class, you should understand the function and structure of the human body and be ready to enter an Allied Health Program. If you don’t prepare for lab and lecture, then you are unlikely to pass my class or earn the grade you need.

I welcome everyone to my AP class and I wish you good luck! Here is a key idea by *Henry Ford, the founder of the Ford Motor Car Company*: **“The harder I worked, the luckier I got”**.

Please Note: The book publisher also provides a suite of digital learning resources for Macomb Community College BIOLOGY 2710. These resources are not required for my course. Many of the Wiley Resources have been incorporated into my Web site. The attached page provides instructions on how to log onto WileyPLUS.