

**ANIMAL PHYSIOLOGY LAB**  
BIPN 105 (Spring, 2020)

**INSTRUCTOR:**

Chris Armour, M.D., Ph.D.  
email: [carmour@ucsd.edu](mailto:carmour@ucsd.edu)

**INSTRUCTIONAL ASSISTANTS:**

|                                       |                   |
|---------------------------------------|-------------------|
| Laura Son (ylson@ucsd.edu)            | M/W section A01   |
| Patrick Zaccaria (pzaccaria@ucsd.edu) | M/W section A02   |
| Matt Chan (mhc005@ucsd.edu)           | Tu/Th section A03 |
| Matt Nedjat-Haiem (mnedatha@ucsd.edu) | Tu/Th section A04 |

The purpose of this course is to review physiology concepts and their applications through demonstrations of physiology experiments. This course is a companion to BIPN 100 (and BIPN 100 is a prerequisite).

This course will be taught entirely online. Its general format will include.

1). Weekly lectures (usually two of them) that will be posted on Canvas in two separate “Lectures” modules (I will try to post them on the Saturday before each week starts). Each lecture will be a narrated Powerpoint file that you can download and listen to on your computer (**they must be downloaded to hear the narration – not viewed in Canvas**). One lecture (called “Physiology Lecture” in the schedule) will review the week’s physiology. The second lecture (called “Lab Lecture” in the schedule) will demonstrate the week’s experiment and results. You should watch the Physiology Lecture and do the relevant lab manual reading before watching the Lab Lecture.

2). Office hours will be held through Zoom (see the office hours handout) on Mondays, Tuesdays, and Wednesdays.

3). Weekly assignments will be posted on Canvas.

The textbook for this course is: Human Physiology, Silverthorn, 7<sup>th</sup> edition

The schedule includes readings from this book but you do not need to use this specific book for this class. You can use whatever resource you want (other editions of Silverthorn, other textbooks, online info).

You do not need to get the BIPN 105 lab manual for this class. The relevant sections from the lab manual are posted on Canvas. There is a lot of details in the lab manual. You only need to know the material that matches what is covered in the Lab Lecture. Many of the questions on the assignments will have to do with the data that is generated during an experiment (and shown in the Lab Lecture). You are not responsible for the details of the lab setups (connections, settings, etc.).

**COURSE GRADE:**

Your grade in this class is based on your scores on the assignments:

Assignments #2 - #9 are each worth 10% of the course grade  
Assignment #10 is worth 20% of the course grade