

HUMAN PHYSIOLOGY LAB
BIPN 105 (Winter, 2022)

INSTRUCTOR:

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All class related emails should come from your UCSD email account (**@UCSD.edu).

Due to the pandemic, the first three weeks (at least) will be taught remotely. Scheduling after week three will be decided based on current conditions. Whether or not we will shift to in-person teaching after week three will be based on the current conditions.

When taught remotely, the general format for each week will be:

1). Weekly recorded lectures (usually two of them) will be posted on Canvas (on the Saturday before each week starts). One lecture (called “Physiology Lecture”) will review the week’s physiology. There will usually be a second lecture (called “Lab Lecture”) that 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.

Each lecture will be posted in three versions:

- Narrated PPT files (in the module entitled "narrated PPTs") that you can download and listen to on your computer (**the files must be downloaded to hear the narration – not viewed in Canvas**).
- MP4 files in "My Media" which can be viewed from Canvas.
- PDF files (in the module entitled "PDFs") that don't have the narration but are easy to read.

2). Office hours/sections will be held through Zoom on Mondays, Tuesdays, and Wednesdays (see the office hours/sections list). You can attend any of the office hours or sections that you want.

3). Weekly assignments will be posted/submitted on Canvas. 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).

If we switch to in-person teaching, the schedule and specific format will be determined at that time. In general, the in-person format will be:

- 1). Two recorded physiology lectures per week (posted on Canvas).
- 2). There may be a couple of live lectures held on a Monday or Wednesday from 12:00 - 12:50 p.m. in CSB 002. The lecture slides will be posted but not an audio recording.
- 3). On some Fridays, problem set discussions will held from 12:00 - 12:50 p.m. in CSB 002. Neither lecture slides nor audio recordings of the problem set discussions will be posted.
- 4). Two labs per week will be held at the section times listed in the schedule of classes. Sections A01 and A02 meet Mondays and Wednesdays from 1:00 - 5:50 p.m. Sections A03 and A04 meet on Tuesdays and Thursdays from 12:30 - 5:20 p.m. You must attend your scheduled section.
- 5). Lab reports and homeworks will be turned in based on the experiments done during the labs. In addition, an in-person final exam may be given at the time listed in the schedule of classes.

TEXTBOOK: Human Physiology, Silverthorn, 8th edition (digital access through Canvas)

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 (online info, other textbooks, other editions of Silverthorn, etc.).

For the weeks that we are teaching remotely, you do not need to get the BIPN 105 lab manual (I will post the relevant sections of the lab manual on Canvas or there won't be a lab manual reading). There are a lot of details in the lab manual. You will only be responsible for the details of the lab setups that are covered in the lectures.

If we switch to in-person teaching, whether or not you should buy the lab manual will depend on the teaching format. I will let you know if you should buy the lab manual at that time.