

BIPN 100 Human Physiology I

Tu/Th 2:00pm-3:20pm PST

Peterson 108; lectures are podcast

Dr. Bloodgood's Office Hour	Starting 1/13/2023	Center for Neural Circuits and Behavior Room 323	Friday 11:00 am- 12:00 pm
	Starting 1/20/2023	https://ucsd.zoom.us/j/94429183925	Friday 9:00 am - 9:30 am

blbloodgood@ucsd.edu

**If you email me, please put [W2023 BIPN100] in the subject line. If you don't, it will significantly delay my response time.

Text Book

The book is optional.

Human Physiology, Silverthorn, 7th or 8th edition.

Available in the bookstore as a hardcopy or ebook.

*** *Digital course materials are provided by the UC San Diego Bookstore through Canvas and are free for the first two weeks of classes. After two weeks, your student account will be charged unless you opt-out. For questions about billing please contact textbooks@ucsd.edu.*

Canvas

There is a Canvas site for this course (obviously). <https://canvas.ucsd.edu/courses/43920>

Announcement, lecture slides, quizzes, problem sets, class discussion forums, and grades will be communicated via Canvas. Please check regularly.

Lectures:

- The lecture schedule is subject to change.
- Lectures will be podcast.
- Lectures labeled “leftovers” on the syllabus are timeslots reserved for catching up and reviewing previous material. Please treat these as regular lecture times. Anything covered during these lectures are “fair game” material for the quizzes and final exam.

Lecture	Date	Topic
1	Jan 7	Homeostasis, membranes
2	Jan 9	Communicating across membranes
3	Jan 14	Hypothalamus/Pituitary Axis
4	Jan 16	The action potential
5	Jan 21	Synaptic transmission
6	Jan 23	Leftovers
7	Jan 28	Organization of the Nervous System
8	Feb 2	Sensing the world around us
9	Feb 7	Autonomic responses
10	Feb 9	Moving your body
11	Feb 14	Leftovers
12	Feb 16	Using muscles to generate force, skeletal muscles
13	Feb 21	Smooth and Cardiac
14	Feb 23	The cardio-vascular system
15	Feb 28	Cardiac Cycle
16	Mar 2	Regulation of hemodynamics
17	Mar 7	Leftovers
18	Mar 9	Kidneys, renal cortex
19	Mar 14	Renal medulla, regulating water
20	Mar 16	Regulating salt
FINAL	Mar 23	Final: 3:00pm-5:59pm

PROBLEM SETS:

Problem sets will be posted to Canvas weekly and answer keys posted the following week. These questions are intended to give you a flavor of the types of questions that may be on quizzes and the final exam. Problem sets are for practice. They will not be graded but **will be discussed in section.**

Section and TA/IAs:

Our TA and IAs are fantastic! They are going to host sections/office hours which I strongly encourage you to attend. Locations and times for section can be found on the schedule of classes; office hour locations and times can be found on Canvas.

To show my enthusiasm for section and the hard work of our TA/IAs, you will get credit for attending section and participating. This is a total of 45 points (for each of 9 sessions, 2 points for showing up and 3 points for participating).

Occasionally section may be canceled due to a campus holiday. If this impacts your section, the points can be made up by either attending a different section or attending your TA/IAs office hour. You should communicate this with the relevant TA/IAs and keep track of it.

TA/IA	Email address
Lula Cotsirilos	lcotsiri@ucsd.edu
Jim Yoon	doyoon@ucsd.edu
Shannon Goetter	sgoetter@ucsd.edu
Nathan Coligado	ncoligado@ucsd.edu
Vidisha Marwaha	vmarwaha@ucsd.edu
Kira Ostrander	kostrander@ucsd.edu
Lixin Sun	lisun@ucsd.edu
Alex Wang	abwang@ucsd.edu

Quizzes:

Quizzes will be posted to Canvas on Saturday morning by 8:00 am and are **due Monday morning at 10:00 am PST**. No exceptions.

Quizzes are “open book” and you will have 30 minutes to complete the questions. There are 8 quizzes and you can drop one of them. Each quiz is worth 50 points.

- Quiz 1: Due Jan 23
- Quiz 2: Due Jan 30
- Quiz 3: Due Feb 6
- Quiz 4: Due Feb 13
- Quiz 5: Due Feb 20
- Quiz 6: Due Feb 27
- Quiz 7: Due Mar 6
- Quiz 8: Due Mar 13

A note about cheating. The quizzes are “open book” but I expect each person in the class to do their own work. Working with someone else is cheating. Posting questions to CHEGG, Redit, Discord, etc, is cheating. If I find evidence of cheating by anyone, the format of the quizzes will change for the entire class in the following ways:

- 1) Quizzes will be administered through the lockdown browser.
- 2) You will not be able to go back to questions, only forward.
- 3) Quizzes will be administered during a restricted time window (TBD).

Final Exam:

The final is cumulative (definitely) and in person (most likely). It will be similar in format to the quizzes and worth 200 points.

March 23 3:00-5:59 PM, PST.

Bonus points:

Clickers are used throughout the course. **Register your clicker.**

Clicker questions will typically be asked at the beginning of and throughout the lecture to advance in-depth understanding of the material and stimulate discussion.

Get a question correct, get a point. Easy.

Over the course of the quarter, there will be **MANY extra credit points** available through answering clicker questions.

There is absolutely no possibility of making up clicker point. If you email me to ask about this, I'm not going to write back because the answer is no.

The onus is on you to bring a functioning, properly registered clicker to class. At the end of the quarter if you are one point away from your dream grade, please remember all the clicker questions I gave all quarter and think twice before sending me that email...

GRADES:

****introduction questions**:** 5 points

Section: 45 points

Quizzes: 350 points

Final: 200 points

Total: 600 points

Clicker points: bonus points added to your point total at the end of the quarter

Final grades will follow the table below:

Grade	% of total points
A+	>=100
A	92-99
A-	90-91
B+	88-89
B	82-87
B-	80-81
C+	78-79
C	72-77
C-	70-71
D	60-69
F	<60

REGRADES:

Occasionally errors, omissions, or ambiguities creep into an exam/quiz question. If you have a specific objection to how an answer to an exam/quiz question was evaluated, do the following:

- 1) **Discuss it with your TA/IA.**
- 2) Do this **within one week** of the quiz
- 3) If you and the TA/IA/tutor do not come to an agreement, forward your question to me. It is very unlikely that I will change anything so please consider your point carefully....

ACADEMIC DISHONESTY:

Please don't cheat. All of the quizzes are open resource. Please, use the resources at your disposal but do your own work.

Last but not least.

The Office for the Prevention of Harassment & Discrimination (OPHD) provides assistance to students, faculty, and staff regarding reports of bias, harassment, and discrimination. OPHD is the UC San Diego Title IX office. Title IX of the Education Amendments of 1972 is the federal law that prohibits sex discrimination in educational institutions that are recipients of federal funds. UC San Diego students have the right to an educational environment that is free from harassment and discrimination.

Students have options for reporting incidents of sexual violence and sexual harassment. Sexual violence includes sexual assault, dating violence, domestic violence, and stalking. Information about reporting options may be obtained at OPHD at [\(858\)534-8298](tel:(858)534-8298), ophd@ucsd.edu or <http://ophd.ucsd.edu>. Students may receive confidential assistance at CARE at the Sexual Assault Resource Center at (858) 534-5793, sarc@ucsd.edu or <http://care.ucsd.edu> or Counseling and Psychological Services (CAPS) at [\(858\) 534-3755](tel:(858)534-3755) or <http://caps.ucsd.edu>.

Students may feel more comfortable discussing their particular concern with a trusted employee. This may be a student affairs staff member, a department Chair, a faculty member or other University official. These individuals have an obligation to report incidents of sexual violence and sexual harassment to OPHD. This does not necessarily mean that a formal complaint will be filed. **If you find yourself in an uncomfortable situation, ask for help.** The UC San Diego is committed to upholding University policies regarding nondiscrimination, sexual violence and sexual harassment.