

BIPN 100 Human Physiology I

Tu/Th 12:30pm-1:50pm PST

GH 242; <https://ucsd.zoom.us/j/95314714671>

Dr. Bloodgood	blbloodgood@ucsd.edu	Office Hour	https://ucsd.zoom.us/j/93393643010	Friday 9:30-10:30 am PST
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Text Book

The book is optional.

Human Physiology, Silverthorn, 7th edition

Available in the bookstore as a hardcopy or ebook.

For any questions about billing please contact textbooks@ucsd.edu.

Canvas

There is a Canvas site for this course (obviously). <https://canvas.ucsd.edu/courses/32460>

Zoom links, lectures, announcements, quizzes, problem sets, class discussion forums, and grades will be communicated via Canvas. Please check regularly.

Lectures:

- The lecture schedule is subject to change. I'm going to try to keep remote/hybrid/in person learning dynamic...come to lecture with an open mind!
- Lectures via zoom will be recorded and posted to Canvas.
- Lectures in person will be podcast.
- Lectures labeled "leftovers" will be an opportunity to catch up and review previous material. Please treat these as proper lecture times as I anticipate covering material that will be fair game for the quizzes and final exam.

Lecture	Date	Topic	Optional Reading, 7th edition
1	Jan 4	Homeostasis, membranes	8-13, 58-62, 132-146, 182-191
2	Jan 6	Communicating across membranes	153-159, 166-183, 236-238,
3	Jan 11	Hypothalamus/Pituitary Axis	196-220
4	Jan 13	The action potential	236-253
5	Jan 18	Synaptic transmission	254-268
--	Jan 20	Leftovers	
6	Jan 25	Organization of the Nervous System	284-295
7	Jan 27	Sensing the world around us	310-323
8	Feb 1	Autonomic responses	359-371
9	Feb 3	Moving your body	371-373, 420-431
--	Feb 8	Leftovers	Lecture 6-9
10	Feb 10	Using muscles to generate force	378-402
11	Feb 15	Smooth and Cardiac	403-412, 447-454
12	Feb 17	The cardio-vascular system	436-448
13	Feb 22	Cardiac Cycle	457-465
14	Feb 24	Regulation of hemodynamics	478-499
--	Mar 1	Leftovers	Lectures 10-14
15	Mar 3	Kidneys, renal cortex	590-612
16	Mar 8	Renal medulla, regulating water	620-641
17	Mar 10	Regulating salt	620-641 (con't)
FINAL	Mar 15	final	11:30am-2:29pm

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. Please see Canvas for the relevant zoom links. To show my enthusiasm for section and the hard work of our TA/IAs, you will get credit for attending section (18 points max) *and* credit for participation (27 points max).

If you can't make it to the section you're registered in, don't panic! You can attend a different section as long as you communicate this with the two relevant TA/IAs. It is incumbent on you to keep track of this.

TA/IA	Email address
Robert Gallant	rgallant@ucsd.edu
Stephanie Luedtke	sluedtke@ucsd.edu
Anu Chaparala	achapara@ucsd.edu
Sophia Chen	soc001@ucsd.edu
Shannon Goetter	sgoetter@ucsd.edu
Spencer Hicks	srhicks@ucsd.edu
Katelyn McConnaughey	kmcconna@ucsd.edu
Talia Northup	tnorthup@ucsd.edu
Armenuhi Sahakyan	asahakyan@ucsd.edu
Yicen Zheng	yiz052@ucsd.edu

Quizzes:

Quizzes will be posted to Canvas on Friday and are **due Sunday night at 11:59pm PST.** 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 16
- Quiz 2: Due Jan 23
- Quiz 3: Due Jan 30
- Quiz 4: Due Feb 6
- Quiz 5: Due Feb 13
- Quiz 6: Due Feb 20
- Quiz 7: Due Feb 27
- Quiz 8: Due Mar 6

Final Exam:

The final is cumulative (definitely) and I'm anticipating it will be in person (we'll see). It will be worth 200 points.

Per WebReg: March 15 11:30-2:29 PM, PST.

Bonus points:

Sadly, I'm not doing clicker questions this quarter so there aren't bonus points as I've done in previous years. Don't despair though! I'm still brainstorming.

GRADES:

introduction questions:	5 points
Section:	45 points
Quizzes:	350 points
Final:	200 points
Total:	600 points

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/tutor.
- 2) Do this within one week of return of exam/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:8585348298), 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:8585343755) 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.