

BIPN 100 Human Physiology I

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

Remote class, see canvas for Zoom link

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Dr. Bloodgood	blbloodgood@ucsd.edu	Office Hour	See canvas for zoom link	Mon 5pm, Friday 10 am PST
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### **Text Book**

**Human Physiology, Silverthorn, 7<sup>th</sup> edition**

**Available in the bookstore, course reserves, and RedShelf**

*Your 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 a special reduced price unless you opt out. If you decide to opt out you must complete the process by **January 16th, 2021** and you will be responsible for sourcing the materials elsewhere.*

*For any questions about billing please contact [textbooks@ucsd.edu](mailto:textbooks@ucsd.edu).*

*For any questions about using your eBook please reference [RedShelf Solve](#).*

### **To opt-out:**

- Click the RedShelf link in Canvas
- Click View Course Materials
- Scroll down to the gray opt-out button and follow the prompts to opt out.

*You will have until Saturday, **January 16th, 2021** to complete this process and you will be responsible for getting access to the materials elsewhere.*

### **Canvas**

There is a Canvas site for this course. <https://canvas.ucsd.edu/courses/21583>

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 learning from getting stale...come to lecture with an open mind!
- All lectures will be via zoom, recorded, and posted to Canvas.
- 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 final exam.

Lecture	Date	Topic	Reading, 7th edition
1	Jan 5	Homeostasis, membranes	8-13, 58-62, 132-146, 182-191
2	Jan 7	Communicating across membranes	153-159, 166-183, 236-238,
3	Jan 12	Hypothalamus/Pituitary Axis	196-220
4	Jan 14	The action potential	236-253
5	Jan 19	Synaptic transmission	254-268
--	Jan 21	Leftovers	
6	Jan 26	Organization of the Nervous System	284-295
7	Jan 28	Sensing the world around us	310-323
8	Feb 2	Autonomic responses	359-371
9	Feb 4	Moving your body	371-373, 420-431
--	Feb 9	Leftovers	Lecture 6-9
10	Feb 11	Using muscles to generate force	378-402
11	Feb 16	Smooth and Cardiac	403-412, 447-454
12	Feb 18	The cardio-vascular system	436-448
13	Feb 23	Cardiac Cycle	457-465
14	Feb 25	Regulation of hemodynamics	478-499
--	Mar 2	Leftovers	Lectures 10-14
15	Mar 4	Kidneys, renal cortex	590-612
16	Mar 9	Renal medulla, regulating water	620-641
17	Mar 11	Regulating salt	620-641 (con't)
<b>FINAL</b>	<b>Mar 18</b>	<b>final</b>	<b>3:00-5:59pm</b>

**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 (25 points max) *and* credit for participation (25 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.

As an added bonus, during section you will have the opportunity to write quiz questions as a group. Write a good question/answer and it just might turn up on the next week's quiz!

TA/IA	Email address
Lee, Donghyung	<a href="mailto:dol127@ucsd.edu">dol127@ucsd.edu</a>
Aziz, Nur	<a href="mailto:niaziz@ucsd.edu">niaziz@ucsd.edu</a>
Dagoon, Jason	<a href="mailto:jdagoon@ucsd.edu">jdagoon@ucsd.edu</a>
Pham, Jessica	<a href="mailto:jpp011@ucsd.edu">jpp011@ucsd.edu</a>
Pwee, Dustin	<a href="mailto:dpwee@ucsd.edu">dpwee@ucsd.edu</a>
Zhu, Jenny	<a href="mailto:jrzhu@ucsd.edu">jrzhu@ucsd.edu</a>
Chaparala, Anu	<a href="mailto:achapara@ucsd.edu">achapara@ucsd.edu</a>
Dereschuk, Kypros	<a href="mailto:kderesch@ucsd.edu">kderesch@ucsd.edu</a>
Le, Samuel	<a href="mailto:sdl014@ucsd.edu">sdl014@ucsd.edu</a>
Lim, Jaisen	<a href="mailto:jal376@ucsd.edu">jal376@ucsd.edu</a>
Luedtke, Stephanie	<a href="mailto:sluedtke@ucsd.edu">sluedtke@ucsd.edu</a>

**Quizzes:**

Quizzes will be posted to Canvas on Friday and are **due Monday morning at 9:00am 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 18  
Quiz 2: Due Jan 25  
Quiz 3: Due Feb 1  
Quiz 4: Due Feb 8  
Quiz 5: Due Feb 15  
Quiz 6: Due Feb 22  
Quiz 7: Due Mar 1  
Quiz 8: Due Mar 8

**Final Exam:**

The final is “open book” and cumulative. It will be worth 200 points.

Per WebReg: March 18 3:00-5:59 PM, PST.

For students participating in the class from a vastly different time zone (+/- 6 hours), please reach out to me during the first two weeks of class. I will make reasonable accommodations so that your Final exam is administered during waking hours.

**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:**

Section: 50 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) **Email a written argument** to the TA/IA/tutor who graded the exam/quiz question.
- 2) Do this **within one week** of return of exam/quiz
- 3) **Meet with the TA/IA/tutor** during their next office hour to discuss the question
- 4) If you and the TA/IA/tutor do not come to an agreement, forward your email string & exam to Dr. Bloodgood.
- 5) If Dr. Bloodgood re-evaluates the question, you may gain or lose points.

**ACADEMIC DISHONESTY:**

Please don't cheat. All of the quizzes and the final exam are open book. 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](mailto: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](mailto:sarc@ucsd.edu) or <http://care.ucsd.edu> or Counseling and Psychological Services (CAPS) at (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.