


BIPN 100 - Human Physiology I - Bloodgood [W124]

BIPN 100 Human Physiology I

Tu/Th 3:30pm-4:50pm PST

Galbraith Hall 242; lectures are podcast

			Friday
Dr. Bloodgood's Office Hour	Starting 1/12/2024	Center for Neural Circuits and Behavior Room 323	11:00 am-12:00 pm
			Monday
Deevya's Office Hour	Starting 1/22/2024	Art of Espresso (Near Mandeville Hall)	9:00 am-10:00 am
			Wednesday
Henry's Office Hour	Starting 1/17/2024	Zoom  (https://ucsd.zoom.us/j/7328264303)	5:00 pm-6:00 pm
			Tuesday
Jhanvi's Office Hour	Starting 1/16/2024	Price Center (tables near Jamba Juice)	8:00 am-9:00 am

[blbloodgood@ucsd.edu \(mailto:blbloodgood@ucsd.edu\)](mailto:blbloodgood@ucsd.edu) **If you email me, please put [W2024 BIPN100] in the subject line. If you do not, it will significantly delay my response time.

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Text Book

The book is optional.

Human Physiology, Silverthorn, 7th or 8th edition. I do not give page numbers because they are different in different editions. You can use the index or table of contents to find the relevant pages/chapters.

Available in the bookstore as a hardcopy or ebook. Also available in course reserves.

*** 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 (<mailto:textbooks@ucsd.edu>).

Canvas

There is a Canvas site for this course (obviously). <https://canvas.ucsd.edu/courses/51748>
(<https://canvas.ucsd.edu/courses/51748>)

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

Lectures:

- The lecture schedule is subject to change.
- Lectures will be podcast.
- Quizzes and the final are based on material covered during lectures.
- You can earn bonus points through correctly answering in-class clicker questions.
 - There are absolutely no make-up clicker questions. Please don't ask, just come to class and bring your clicker.
 - If you miss class, that's ok too, the lectures are podcast! But, there are still no make-up clicker questions. Really, none. Please don't ask me to make an exception. You are a unique and valued individual, but I do not offer make up clicker questions, even for you.
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Date	Lecture	Topic
Jan 9	(week 1) 1	Homeostasis, fluid compartments, transport across membranes
Jan 11	(week 1) 2	Communicating across membranes: equilibrium potential, membrane potential
Jan 16	(week 2) 3	GPCRs, Hypothalamus/Pituitary Axis
Jan 18	(week 2) 4	Hypothalamus/Pituitary Axis

Date	Lecture	Topic
Jan 23	(week 3) 5	The action potential
Jan 25	(week 3) 6	Synaptic transmission
Jan 30	(week 4) 7	Organization of the Nervous System
Feb 1	(week 4) 8	Sensing the world around us
Feb 6	(week 5) 9	Autonomic responses
Feb 8	(week 5) 10	Motor systems and reflexes
Feb 13	(week 6) 11	Skeletal muscle
Feb 15	(week 6) 12	Smooth muscle
Feb 20	(week 7) 13	Cardiac muscle
Feb 22	(week 7) 14	Cardiac cycle
Feb 27	(week 8) 15	EKG, cardiovascular system
Feb 29	(week 8) 16	Regulation of hemodynamics
Mar 5	(week 9) 17	Regulation of hemodynamics
Mar 7	(week 9) 18	Kidneys, renal cortex and medulla
Mar 12	(week 10) 19	Regulating water, salt
Mar 14	(week 10) 20	Systemic interplay between systems

Date	Lecture	Topic
Mar 19	FINAL	Final: 3:00pm-5:59pm

PROBLEM SETS:

Problem sets and answer keys are posted to Canvas weekly. These questions will give you a flavor of the types of questions that may be on quizzes and the final exam. Problem sets are for practice. They are not graded but discussed in section. Sometimes we get ahead or behind in lecture content. If this happens, the problem set might have information we have not covered yet. If this happens, have patience....we will get there soon!

Section and TA/IAs:


Our TA and IA are fantastic! They are going to host section, office hours, and a weekly review session. I strongly encourage you to attend all of the above!

Section: Thursday, 8:00-8:50am. **Zoom link on canvas and** <https://ucsd.zoom.us/j/98669533996>

Office hours:

Deevya: 9:00-10:00am on Mondays @ Art of Espresso

Jhanvi: 8:00-9:00am on Tuesday @ Price Center (tables near Jamba Juice)

Henry: 5:00-6:00pm on Wednesdays on Zoom (<https://ucsd.zoom.us/j/7328264303> 
<https://ucsd.zoom.us/j/7328264303>.)

Review session: Friday, 4:00-6:00pm. Center for Neural Circuits and Behavior, Marilyn G. Farquhar Seminar Room

To show my enthusiasm for the hard work of our TA/IAs, you can earn 5 points each week for attending/participating in section, office hours, or a review session. You don't have to go to everything, but at least one non-lecture learning opportunity per week. You choose what works for your schedule and your learning style. This is a total of 50 points over the quarter. There are no make-up points if you miss a week's opportunities. Please don't ask.

TA/IA

Email address

Deevya Raman dsraman@ucsd.edu

Henry Li hel026@ucsd.edu

Jhanvi Natarajan jsnatara@ucsd.edu

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Quizzes: This course does not have midterm(s). We have weekly quizzes.

Quizzes will be accessible through Canvas on Saturday morning at 8:00 am and are **due Monday at noon - 12:00 pm PST**. No exceptions.

Quizzes are “open book” and you will have 30 minutes to complete the questions. Typically, there are 10 multiple choice questions, although occasionally the number or format of questions will change. Each quiz will focus on the previous week’s content. Quizzes are not explicitly cumulative, however, physiology is! Each quiz is worth 50 points.

Over the quarter, we will have 8 quizzes and your lowest quiz score will be dropped. The drop quiz is a buffer for you in case you have a personal emergency or life event that consumes your weekend.

Quiz 1: Due Jan 22

Quiz 2: Due Jan 29

Quiz 3: Due Feb 5

Quiz 4: Due Feb 12

Quiz 5: Due Feb 19

Quiz 6: Due Feb 26

Quiz 7: Due Mar 4

Quiz 8: Due Mar 11

A note about “open book” versus cheating. The quizzes are “open book” – meaning you can use your class notes, the textbook, your favorite search engine, etc. But, I expect each person in the class to do their own work. Working with someone else is cheating. Posting questions to your favorite chatbot, 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:

- Quizzes will be administered through canvas using the lockdown browser.
- You will not be able to go back to questions, only forward.
- Quizzes will be administered during a restricted time window rather than over the entire weekend.

Final Exam:

The final is cumulative and in person. It will be similar in format to the quizzes and worth 200 points.

March 19 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, you will have access to **MANY extra credit points** through answering in class clicker questions.

That said, there is absolutely no possibility of making up clicker points if you miss class or have a clicker malfunction. If you email me to ask for an exception to this policy, you will make me feel very sad and feel unseen. Please don't make me sad.

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GRADES:

Section/OH/review session: 50 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
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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

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If at the end of the quarter 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...

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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:

- **Discuss it with your TA/IA.**
- Do this **within one week** of the quiz
- 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) ([mailto:\(858\)534-8298](mailto:(858)534-8298)), ophd@ucsd.edu (<mailto:ophd@ucsd.edu>) or <http://ophd.ucsd.edu> (<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> (<http://care.ucsd.edu>) or Counseling and Psychological Services (CAPS) at [\(858\) 534-3755](tel:(858)534-3755) (<tel:%28858%29%20534-3755>) or <http://caps.ucsd.edu> (<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.

Course Summary:

Date	Details	Due
Thu Jan 11, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990183&include_contexts=course_51748)	8am to 9am
Fri Jan 12, 2024	 week 1 (https://canvas.ucsd.edu/courses/51748/assignments/750177)	due by 11:59pm
Thu Jan 18, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION	8am to 9am

Date	Details	Due
	 (https://canvas.ucsd.edu/calendar?event_id=990184&include_contexts=course_51748) 	
Fri Jan 19, 2024	 First Day Survey: Pre-Course Goals and Expectations #FinAid (https://canvas.ucsd.edu/courses/51748/assignments/750279) 	due by 11:59pm
	 week 2 (https://canvas.ucsd.edu/courses/51748/assignments/750178) 	due by 11:59pm
Mon Jan 22, 2024	 Quiz 1 (https://canvas.ucsd.edu/courses/51748/assignments/750045) 	due by 12pm
Wed Jan 24, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] - Bonus office hour (https://canvas.ucsd.edu/calendar?event_id=1007637&include_contexts=course_51748) 	12pm to 12:45pm
Thu Jan 25, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990185&include_contexts=course_51748) 	8am to 9am
Thu Feb 1, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990186&include_contexts=course_51748) 	8am to 9am
Thu Feb 8, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990187&include_contexts=course_51748) 	8am to 9am
Thu Feb 15, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990188&include_contexts=course_51748) 	8am to 9am
Thu Feb 22, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990189&include_contexts=course_51748) 	8am to 9am

Date	Details	Due
Thu Feb 29, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990190&include_contexts=course_51748)	8am to 9am
Thu Mar 7, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990191&include_contexts=course_51748)	8am to 9am
Thu Mar 14, 2024	 BIPN 100 - Human Physiology I - Bloodgood [WI24] SECTION (https://canvas.ucsd.edu/calendar?event_id=990192&include_contexts=course_51748)	8am to 9am
	 Class 2 - Poll (https://canvas.ucsd.edu/courses/51748/assignments/752827)	
	 Class 3 - Poll (https://canvas.ucsd.edu/courses/51748/assignments/754206)	
	 Class 4 - Poll (https://canvas.ucsd.edu/courses/51748/assignments/754622)	
	 Class 5 - Poll (https://canvas.ucsd.edu/courses/51748/assignments/755892)	