

Human Reproduction

BIPN 134, Summer 2022

Tues Thur, 8:00 - 11:00 am,
but really just remote

Instructor: **Dr. James Cooke**

Office: ~~3080C York Hall~~ [under construction]

email: j2cooke@ucsd.edu (if you email me, please include “BIPN 134” in the subject)

Office hours: We’ll decide by taking a poll in the first class.

Materials:

- Textbook: Human Reproductive Biology by Jones and Lopez, 4th edition. Reserves should be available at the library.

Evaluation:	pre-lecture quizzes (due Sundays at 11:59pm)	4%
	Syllabus quiz	1%
	Midterm 1	30%
	Midterm 2	30%
	Final Exam	35%

Grades will follow the scheme below:

A+	≥ 90%	B-	70-73
A	85 - 89	C+	67-69
A-	80-84	C	64-66
B+	77-79	C-	60-63
B	74-76	D	50-59

No curving, no nonsense, no BS. The grade you receive is the grade you earned.

Online for summer quarter 2022

I will be posting pre-recorded lectures for each class. As someone who practices a “student-centered” classroom, I believe that the activities we run during a normal class are a valuable part of the educational experience of our students. To that end, while you are watching lectures online, I urge you to engage in the class activities meaningfully. That is: when questions are posed, you should try to pause the video and answer them before moving on to the answers.

Pre-lecture quizzes: Twice each week, I will assign some reading from your textbook and there will be a quiz that goes along with the pre-reading. Both the assigned reading and quiz will be located in the “pre-lecture” module for that particular week on our Canvas site. Quizzes will be due on Monday and Wednesday nights (at 11:59 pm). You can take each quiz twice, and I will record the higher of the two

grades. I will also drop the lowest quiz score of the quarter. There will be no quiz due Wed of Week 5 (ie: before our final class).

Midterm exams: there will be two midterm exams on Thursday of weeks 2 and 4. I will post both Word and PDF versions of the exams on our canvas page at 9:30 am PST and students will submit a completed PDF version to Gradescope by 11:00 am PST. Students can complete either the Word or PDF version of the exam, totally up to you. But the final submitted exam must be a pdf. Students can access Gradescope via our canvas page or directly via [gradescope.com](https://www.gradescope.com). It is important that students assign page numbers to each question on their submission, or the IAs may not be able to grade the exams.

Please be warned: internet weirdness often manifests itself when trying to upload important documents. The exam is meant to take 60 minutes, but I am giving you an extra 30 minutes to successfully upload your exams. Please don't take 85 minutes to complete the exams and then submit your exam late because the internet was being shady. If this happens, you'll be penalized. The penalty for a late submission is a percentage commensurate with the amount of additional time received. For example, if the submission is 9 minutes late, that's 10% more time than other students had. So the exam will be docked 10%. So please complete the exam by 60 minutes. That way you can figure out an alternative if your internet goes ka-blooney.

Oh, and the exams are open-book.

Accommodations for exams: If the final exam is higher than one (or both!) of the midterm exams, then we'll toss the midterm exam score and make the final worth the weight of the exams for which it has greater value. For example, if the final exam score is higher than midterm 1 but not midterm 2, the final will be worth 65% of the final grade and midterm 2 worth 30%, while midterm 1 will be worth zero. If the final is higher than both midterms, then the final is worth 95% of the year and both midterms worth zero. So, if you do poorly on one of the midterms - don't worry about it! It's a learning experience and you'll do better on the final. Both midterms better than the final? Then the weight above applies.

The other functional consequence of this is that you can miss either (or both) midterm without any explanation or reason. You don't need to contact Jim, you don't need to provide medical documentation. The zero score will be lower than your final exam score, so it will just be tossed.

One thing: IF you miss the final exam for a good reason (ie: an emergency) you are only eligible for a grade of "incomplete" if you have a passing grade. If you have two zeroes on your midterms, you don't have a passing grade. Soooo, yeah. Think long and hard about whether you choose to not-take a midterm. This has happened in the past, and is super sad.

I do not have make-up exams of any kind for any reason.

Syllabus quiz: the quiz is designed to make sure that folks familiarize themselves with the syllabus and understand the course’s policies. Students can it an unlimited number of times and have until 9:30 am on Thursday July 7 to complete it.

Discussion Sections: are voluntary and also remote. They will be offered during the times provided by the Registrar. You can attend any section you like. During section, our super awesome IAs will be going over old exam questions with you all, so you’ll get a chance to practice answering real exam questions. The IAs will also do other fun activities with you, so be sure to attend, be sure to be active and be sure to have your videos on. Sections will **begin Wednesday of week 1.**

Community Centers at UCSD: The community centers listed below are a great resource for our students to find some comfort and support. Many of them have spaces that you can use to host (for example) group study sessions. I encourage you to visit them in person if possible and feel free to reach out to them at any point. You do not need to identify as a member of these communities to use these centers. They are full of wonderful people who want you to succeed!

Center	Contact		Center	Contact
ASIAN PACIFIC ISLANDER MIDDLE EASTERN DESI AMERICAN PROGRAMS & SERVICES	https://apimeda.ucsd.edu/index.html		LGBT RESOURCE CENTER	https://lgbt.ucsd.edu/
BLACK RESOURCE CENTER	https://brc.ucsd.edu/		RAZA RESOURCE CENTRO	https://raza.ucsd.edu/index.html
CROSS CULTURAL CENTER	https://ccc.ucsd.edu/index.html		WOMEN’S CENTER	https://women.ucsd.edu/
INTERTRIBAL RESOURCE CENTER	https://itrc.ucsd.edu/index.html		STUDENT VETERANS RESOURCE CENTER	https://svrc.ucsd.edu/

Accommodations: I am happy to make any/all accommodations possible to help students succeed in this course. Please let me know as soon as possible about any accommodations you may require, and be sure to reach out to the OSD office for formal arrangements if need be (<https://osd.ucsd.edu/>).

Values

I want our classroom to be a place where we are free to explore the material in a manner that is respectful and engaging. We should feel free to make mistakes and ask challenging questions of each other. To that end, I've included a table below that outlines what students can expect from the teaching team, and what we should be able to expect from them.

	It is expected that students will:	The students can expect that we will:
Honesty	<ul style="list-style-type: none"> demonstrate your knowledge and abilities without outside aids or looking at the answers of others during exams. 	<ul style="list-style-type: none"> evaluate your knowledge of course concepts objectively and honestly. admit if a mistake has been made, and correct the mistake.
Responsibility	<ul style="list-style-type: none"> show up to class on time, ready to think critically about, and engage meaningfully with, course material. 	<ul style="list-style-type: none"> use student-centered approaches in the classroom that have been shown to increase retention of course material, improve grades, and lower failure rates for all students, especially first-generation students and under-represented minorities (Eddy and Hogan, 2014). Start class on time.
Respect	<ul style="list-style-type: none"> use language in the classroom that is inclusive and respectful of myself and your peers. 	<ul style="list-style-type: none"> help facilitate respectful dialogue amongst students. engage with students in a respectful manner.
Fairness	<ul style="list-style-type: none"> contribute meaningfully to group discussions, so as not to take advantage of others. 	<ul style="list-style-type: none"> Create and grade assessments in a manner that is objective and reasonable. Treat all groups equally.
Trustworthiness	<ul style="list-style-type: none"> not post any of our course content (slides, practice problems, pre-reading quiz problems) on the internet 	<ul style="list-style-type: none"> respond to emails in a timely fashion, IF the answer to any question is not in the syllabus
Courage	<ul style="list-style-type: none"> say or do something when you see actions that undermine the above values. 	<ul style="list-style-type: none"> happily receive constructive criticism about our teaching at any time. say or do something when we see actions that undermine the above values.

modified with permission from Dr. Tricia Bertram Gallant.

Please see the UCSD rules on Academic Integrity and Standards (academicintegrity.ucsd.edu). When in doubt, just ask a member of the teaching team. The teaching team and I are obligated to report all incidents of cheating to the Academic Integrity Office.

Teaching Team, Sections and Office Hours

Who	email	What	Where	When
Saya French	skfrench@ucsd.edu	Discussion Section	On zoom!	Mon Wed 2 - 3 Mon Wed 3 - 4
		Office hours	On zoom!	TBD
Vincent Le	v8le@ucsd.edu	Discussion Section	On zoom!	Mon Wed 4 - 5p
		Office hours	On zoom!	TBD
Rachel Lee	rjl002@ucsd.edu	Discussion Section	On zoom!	Mon Wed 10 - 11
		Office hours	On zoom!	TBD
Christina Tran	cdtran@ucsd.edu	Discussion Section	On zoom!	Mon Wed 9 - 10
		Office hours	On zoom!	TBD
Jason Tran	jat003@ucsd.edu	Discussion Section	On zoom!	Mon Wed 11 - noon
		Office hours	On zoom!	TBD

Tentative Schedule BIPN134, Summer 2022

Class	Date	Topic
1	June 28	Intro gametogenesis HPG axis
2	June 30	Anatomy and 2-cell theory for those with testicles and ovaries follicular development
3	July 5	menstrual cycle energy reserves and the menstrual cycle
4	July 7	Preparation of sperm capacitation and hyperactivation of sperm
4	July 7, 9:30 - 11:00	Midterm 1
5	July 12	Fertilization and Implantation; pregnancy; Complications during pregnancy
6	July 14	Endocrinology of pregnancy; Parturition Complications during parturition
7	July 19	Lactation Development of sex systems: chromosomes and internal organs
8	July 21	Development of sex systems: external reproductive organs Puberty
8	July 21, 9:30 - 11:00	Midterm 2
9	July 26	Menopause Andropause Infertiliy
10	July 28	Infertility and its treatment contraception
11	July 30, 8:00 - 11:00	Final exam: Comprehensive