

**UCSD BICD134: Biology  
Human Reproduction and Development  
Summer Session II**

Instructor: Krista L. Todd

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Office Hours: Tuesdays 12:30 – 2:00 (groups) Pacific Hall 3501

Fridays 12:00 – 1:15 (private) Pacific hall 3123A

**Course Information**

Location: Center Hall 115

Time: M, Tu, W, Th ; 8:00 – 9:20 a.m.

Dates: Aug. 3 – Sept. 4

Text: Human Reproductive Biology, Jones and Lopez 3<sup>rd</sup> or 4<sup>th</sup> edition  
Developmental Biology, Gilbert 10<sup>th</sup> edition, excerpts will be available on TED

Course Website: <http://ted.ucsd.edu>

Teaching Assistants: Zachary Hermundson [zhermund@ucsd.edu](mailto:zhermund@ucsd.edu)  
Ethan Sy [ezsy@ucsd.edu](mailto:ezsy@ucsd.edu)  
Andrew Yousef [adyousef@ucsd.edu](mailto:adyousef@ucsd.edu)

See the course website for TA Discussions and Office Hours

**Course Objectives:**

Sexual reproduction is arguably the most important biological behavior that individuals can participate in. It is both biologically (and financially) expensive; consequently we will study reproduction across a range of fields, including endocrinology, anatomy, physiology, genetics and more, yielding a comprehensive understanding the process of human reproduction. We will start with the anatomy and physiology of adult reproductive systems, and progress through fertilization, embryonic development, and birth. Finally, we'll consider the development that occurs after birth, culminating in reproductive maturity during puberty.

**Course Schedule**

Date	Topic	Readings
<b>Sexual Reproduction: Why and How?</b>		
Aug. 3	Introduction to the course; Sexuality	Lecture 1 Supplement
4	Endocrine control of reproduction	Jones ch 1
5	Male reproductive anatomy and physiology	Jones ch 4
6	Male / Female reproductive anatomy and physiology	Jones chs 4, 2

-----end week 1-----

10	Female reproductive anatomy / Uterine – Ovarian cycles	Jones chs 2, 3
11	Uterine – Ovarian cycles / Human Sexual Response	Jones chs 3, 8
12	<b>FIRST MIDTERM EXAM</b>	
<b>Embryonic Development</b>		
13	Gamete anatomy and physiology, fertilization	Gilbert supplement ch4. 117 – 123 Jones ch. 9 159 - 169

-----end week 2-----

17	Fertilization, gastrulation, neurulation, and organogenesis	Jones ch 10 178 - 195 Gilbert supplement Ch 9 298 – 308 Ch 10 332 – 342 Ch 12 415 - 418 Ch 13 449 - 458
18	“	“
19	“	“
20	“	“

-----end week 3-----

24	“	“
25	<b>SECOND MIDTERM EXAM</b>	

### Birth and Postnatal Development

26	Labor and Birth	Jones ch 11
27	The Newborn	Jones ch 12 227 - 239

-----end week 4-----

31	Sexual Differentiation / Puberty	Jones ch 5, 6
Sept. 1	Sexual Differentiation / Puberty	Jones ch 5,6
2	Sexual Differentiation / Puberty	Jones ch 5.6
3	Contraception	Jones ch 13 (or 14 in the 3 <sup>rd</sup> edition)

-----end week 5-----

**The final exam in this course is scheduled from 8:00 to 10:59 a.m. on Friday, September 4. See the General Information link on the course Web site for what you need to know about exams in this class.**

<u>Grading:</u>	Midterm Exam I	– 150
	Midterm Exam II	– 150
	Comprehensive Final Exam	– 300
	Clicker Points	– 200
	<b>TOTAL PTS</b>	<b>– 800</b>

Clickers: Throughout the course, you will use a transmitter to answer questions posed during class time. A receiver will track your responses and enable me to project a distribution of your answers – providing me guidance as to how well I am communicating the material. We will use the clickers in two ways.

1. At the beginning of class I will ask several multiple choice questions based on previously covered material. Correct responses will net 5 points; incorrect responses net 4 points.
2. Throughout class I will present problems for you to solve based on the current material. These responses will yield 5 points each, regardless of correctness.

At the end of the Summer Session, if you have earned more than 75% of the available clicker points you will receive the full 200 points. This means that if you come to class and discover that you have dead batteries or no clicker, you don't necessarily have to inform me or worry. The responsibility for limiting such problems is entirely yours.

TA Sections: Sections are voluntary and begin August 4. You should attend at least one regularly, choosing the one most compatible with your schedule. Feel free to attend more than one per week. Lecture material will be reviewed, questions answered, and problem sets discussed.

Ethan Sy:	M / W	12:00 – 1:00	Center Hall 217B
Andrew Yousef	M / W	11:00 – 12:00	Center Hall 217B
Zachary Hermundson	T / TH	11:00 – 12:00	Center Hall 218

Missed Exam Policy: DON'T MISS AN EXAM. Illness or unavoidable travel will require documentation.

Before Exams: The evening before an exam, the TA's and I will hold separate, two-hour question-and-answer session. This is NOT a review session, and will be entirely driven by your questions.

Classroom Etiquette:

It is the tradition that recordings of any kind (including on your laptops) are not permitted for this class. If this is not agreeable, please do not take this class. Experience has shown that when others are recording class proceedings, students do not feel comfortable asking questions or participating in discussions on the subject matter covered in this class. Anyone found disregarding this policy or failing to report someone who is making recordings will fail.

You are encouraged to ask questions and participate in class discussions but all your comments must be directed to the class. Please turn off your cell phones and do not engage in conversations with other students when the instructor or any other student is addressing the class. Given the compressed timescale of the class, please be considerate towards other students by not walking in and out of the classroom for water/restroom breaks while the class is in session, unless a medical condition

warrants it. If you must leave early, please situate yourself in an aisle seat at the back of the class so that any disruption is kept to a minimum. Once again, it is very important for the success of this class to maintain a safe learning environment as we discuss often very sensitive issues. Hence, recordings of any kind are not permitted in this class.

**Integrity of Scholarship (UCSD Policies):**

No student shall:

- knowingly procure, provide, or accept any unauthorized material that contains questions or answers to any examination or assignment to be given at a subsequent time.
- complete, in part or in total, any examination or assignment for another person.
- knowingly allow any examination or assignment to be completed, in part or in total, for himself or herself by another person.
- plagiarize or copy the work of another person and submit it as his or her own work.
- employ aids excluded by the instructor in undertaking course work or in completing any exam or assignment.
- alter graded class assignments or examinations and then resubmit them for re-grading