

PCB 4023 Cell Biology - 2016 fall

Professor: Dr. Lou W. Kim

TuTh 11:00AM - 12:15PM Chem & Physics 145 08/22/2016 - 12/03/2016

Office Hour: Tu 10:30- 11:00 AM, AHC1-218C

Goals of Cell Biology

1. You will learn the biology of the cell at the structural, functional, and molecular levels and develop critical thinking capability by active engagement in lectures and in-class activities.
2. In the lab, you will be challenged to generate and analyze experimental data to formulate and test hypotheses. You will also be challenged to communicate effectively in written and oral forms.

Text Book: Essential Cell Biology, 4th Ed. Alberts et al., Garland Science

8/23	Intro to Cells	Chapter 1
8/25	Chemical Components of Cells	2
8/30, 9/1, 9/6	Enzyme kinetics	3
9/8, 9/13, 9/15	Protein Structure & Function	4
9/20	Membrane Structure	11
9/22	Exam 1	1,2,3,4
9/27	Membrane Structure	11
9/29,10/4	Membrane Transport	12
10/6,10/11,10/13	Intracellular Compartments & Transport	15
10/18	Cell Communication	16
10/20	Exam 2	11,12,15
10/25, 10/27, 11/1	Cell Communication	16
11/3, 11/8	Cytoskeleton	17
11/10	The Cell Division Cycle	18
11/15	Exam 3	16,17
11/17, 11/22	Sexual Reproduction and the Power of Genetics	19
11/24	Thanks Giving	
11/29	Cellular Communities: Tissues, Stem Cells, and Cancer	20
12/1	Cellular Communities: Tissues, Stem Cells, and Cancer	20
Final Week (12/5~9)	Exam 4	18,19, 20

Read carefully:

1. Go to <https://sites.google.com/site/louwoongkim/>

and click Lecture Notes to get the PDFs of the course. (No movies will be posted)

2. There will be **four exams and three best** ones will be counted.

3. Each exam will be multiple choice and true/false format.

4. Practice exams exist on the web

5. **Extra credits** for in-class activity: Students who participated in-class problem-solving activity (only once per day for a person) will get an extra credit. Each activity will be counted as 0.5 point and be added to the final score.

6. Pop up Quiz possible.

Grading = Average of three best scores + Extra credits

A: 100 - 92.50

A-: 92.49 – 89.50

B+: 89.49 – 86.50

B: 86.49 – 82.50

B-: 82.49 – 79.50

C+: 79.49 - 76.50

C: 76.49 – 72.50

C-: 72.49 – 69.50

D+: 69.49 – 66.50

D: 66.49 – 62.50

D-: 62.49 – 59.50

F: below 59.49