

## Biology 200 Class Schedule

<i>Instructor</i>	<i>Co-Instructor</i>	<i>Lab Coordinator</i>
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Text: *Biological Science, 5th Edition*, Freeman

Lecture A: M-Tu-W-F, 12:30 pm to 1:20 pm, KNE 120

<https://canvas.uw.edu/courses/987262>

Labs: Hitchcock 143, 147

Wk	Day	Date	Lecture Topic	Class Readings	Lab
1	W	Sept 30	Intro to Cells and Organelles	Ch. 7 - 7.3, Table 7.2	NO LAB
	Th	Oct 1	Biological atoms and bonds– <b>POGIL</b>	Ch. 2 - 2.3, 2.5, Table 2.3	
	F	Oct 2	<b>HOW TO SUCCEED IN BIO 200</b>		
2	M	Oct 5	Carbohydrates and Proteins	Ch. 3, 5, Figs. 3.2, 5.4, Table 5.1	Exploring the Cell
	Tu	Oct 6	Protein Structure – <b>POGIL</b>	Ch. 3, all figures, Table 3.1	
	W	Oct 7	Cellular energy	Ch. 2.3, Fig. 2.19, 8 - 8.2	
	Th	Oct 8	Catalysis	Ch. 8.3 - 8.5, Fig. 8.9	
	F	Oct 9	<b>Practice Exam 1</b>		
3	M	Oct 12	Enzymes – <b>POGIL</b>	Ch. 8.3 - 8.5, Figs. 8.11, 8.12	Enzyme Activity
	Tu	Oct 13	Nucleic acids, chromosomes	Ch. 4, all figures	
	W	Oct 14	Central dogma	Ch. 16 - 16.3, Fig. 16.4, 16.7	
	Th	Oct 15	Transcription	Ch. 17-17.1, all figures	
	F	Oct 16	<b>EXAM 1</b>		
4	M	Oct 19	Translation – <b>POGIL</b>	Ch. 17.3 – 17.5, all figures	Exploring the Central Dogma
	Tu	Oct 20	Genetic Code and Protein Targeting	Ch. 7.4 – 7.5, Figs. 7.21, 7.22	
	W	Oct 21	Lipids/Membranes – <b>POGIL</b>	Ch. 6, all figures	
	Th	Oct 22	Respiration/ATP synthesis	Ch. 9 – 9.1, 9.5, Fig. 8.6	
	F	Oct 23	<b>Practice Exam 2</b>		
5	M	Oct 26	Glycolysis	Ch. 9.2	Understanding Cellular Respiration
	Tu	Oct 27	Krebs Cycle	Ch. 9.3 – 9.4	
	W	Oct 28	Fermentation/Anaerobic respiration	Ch. 9.6	
	Th	Oct 29	Basics of Gene Expression	Ch. 18 – 18.1, Figure 18.1	
	F	Oct 30	<b>EXAM 2</b>		
6	M	Nov 2	Gene Regulation in Prokaryotes – <b>POGIL</b>	Posted Reading from <b>4<sup>th</sup> edition</b>	Prokaryotic Gene Regulations
	Tu	Nov 3	Gene Regulation in Eukaryotes	Ch. 19 – 19.5, 17.2, all figures	
	W	Nov 4	Eukaryotic RNA processing	Ch. 19 – 19.5, 17.2, all figures	
	Th	Nov 5	DNA replication – copying chromosomes - <b>POGIL</b>	Ch. 15 – 15.3, Figs. 15.6-15.11	
	F	Nov 6	<b>Practice Exam 3</b>		
7	M	Nov 9	Mutation and the linear chromosome problem	Ch15.4,15.5,Ch.16.4, F15.13+15	NO LAB
	Tu	Nov 10	Cell cycle and cancer	Ch. 12, Fig. 12.12, 12.14	
	W	Nov 11	<b>VETERANS DAY – No Class</b>		
	Th	Nov 12	Meiosis, the basis of gametogenesis	Ch. 13-13.2, Fig.13.8,Table 13.1	
	F	Nov 13	<b>Practice Exam 4</b>		
8	M	Nov 16	Cell-Cell communication	Ch. 11-11.1, 11.3, Figs.11.12-15	Meiosis, Gametogenesis, & PCR1
	Tu	Nov 17	Fertilization	Ch. 23-23.1, Fig. 23.2, 23.3	
	W	Nov 18	Development – mitosis	Ch. 22-22.1, 23.2	
	Th	Nov 19	Development – cell signaling	Ch. 22.2 – 22.3, Fig. 23.9	
	F	Nov 20	<b>EXAM 3</b>		
9	M	Nov 23	Development – cell movement	Ch. 23.3, 23.4	NO LAB
	Tu	Nov 24	Development – cell differentiation	Figs. 23.11, 23.12	
	W	Nov 25	Development - apoptosis	Fig. 22.1	
	Th	Nov 26	<b>THANKSGIVING – No Class</b>		
	F	Nov 27	<b>DAY AFTER THANKSGIVING – No Class</b>		
10	M	Nov 30	Genotype to Phenotype – alleles, structure, function	Fig. 14.4, Table 14.1	Chick Embryo Development & Exovo
	Tu	Dec 1	Blood types and Immunity	Ch. 14.5,14.6, Ch. 51.2, Fig.51.5	
	W	Dec 2	Immunity	Ch. 51.2, Fig. 51.7-51.9, 51.14	
	Th	Dec 3	PCR - <b>POGIL</b>	Ch. 20.2, Fig. 20.7-20.8	
	F	Dec 4	<b>Practice Exam 5</b>		

11	M	Dec 7	Aneuploidy and polymorphic loci	Ch. 23.3, Fig. 13.12	PCR2 & Pedigree Analysis
	Tu	Dec 8	Cell Biology of disease	Ch. 20.4, Fig. 20.10	
	W	Dec 9	Cell Biology of disease	TBA	
	Th	Dec 10	Cell Biology of disease	TBA	
	F	Dec 11	Practice Exam 6		
12	Th	Dec 17	<b>FINAL EXAM 8:30 -10:20 am Not verified</b>		

**LAB MANUALS can be purchased at Professional Copy 'N' Print, 4200 University Way NE, 634-2689.**

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