

Pelican Bay -- Biology 1 Schedule

Week	Lecture Date	Lecture Topics (1.5 hr lecture)	Lecture Readings	Lab Topics (1.5 hr activity)
1	Tues Jan 22	Introductions	OSC Biology Ch 1	Lab 1: Microscopy
	Thur Jan 24	What is Biology?	OSC Biology Ch 1	Lab 1: Microscopy
2	Tues Jan 29	Chemistry of Life	OSC Biology Ch 2	Lab 2: Chemistry
	Thur Jan 31	Chemistry of Life	OSC Biology Ch 2	Lab 2: Chemistry
3	Tues Feb 5	Macromolecules	OSC Biology Ch 2	Lab 3: Macromolecules
	Thur Feb 7	Macromolecules	OSC Biology Ch 2	Lab 3: Macromolecules
4	Tues Feb 12	Cell Structure	OSC Biology Ch 3	Lab 4: Diffusion/Osmosis
	Thur Feb 14	Cell Function	OSC Biology Ch 3	Lab 4: Diffusion/Osmosis
5	Tues Feb 19	Metabolism	OSC Biology Ch 4	Lab 5: Cell Energy
	Thur Feb 21	Cell Energy	OSC Biology Ch 4	Lab 5: Cell Energy
6	Tues Feb 26	Photosynthesis	OSC Biology Ch 5	Lab 6: Enzyme
	Thur Feb 28	Review Session	-----	Lecture Exam I
7	Tues Mar 5	Scientific Method (Plant experiments)	Supplemental Readings	Lab 7: Nutrition of <i>Brassica rapa</i>
	Thur Mar 7	DNA Structure	OSC Biology Ch 9	Lab 8: DNA
8	Tues Mar 12	DNA Replication	OSC Biology Ch 9	Lab 9: Proteins
	Thur Mar 14	Protein Structure	OSC Biology Ch 9	Lab 9: Proteins
9	Tues Mar 19 Thur Mar 21	Spring Break No Classes		
10	Tues Mar 26	Protein Synthesis	OSC Biology Ch 9	Lab 10: Mitosis
	Thur Mar 28	Cell Cycle and Mitosis	OSC Biology Ch 6	Lab 10: Mitosis
11	Tues Apr 2	Cancer	Supplemental Readings	Movie: Cancer Autopsy
	Thur Apr 4	Meiosis	OSC Biology Ch 7	Lab 11: Sea Urchin
12	Tues Apr 9	Reproduction	OSC Biology Ch 18	Lab 12: Development (break down plant lab)
	Thur Apr 11	Review Session	-----	Lecture Exam II
13	Tues Apr 16	Mendelian Genetics	OSC Biology Ch 8	Lab 13: Genetics Lab
	Thur Apr 18	Human Genetics	OSC Biology Ch 8	Lab 14: Human Genetics
14	Tues Apr 23	Population Genetics	OSC Biology Ch 11	Genetics Problems
	Thur Apr 25	Evolution I	OSC Biology Ch 11	Lab 15: Evolution
15	Tues Apr 30	Evolution II	OSC Biology Ch 11	Lab 15: Evolution
	Thur May 2	Microbiome and Bacterial Evolution	OSC Biology Ch 13	Movie: Why Sex?
16	Tues May 7	Animal Diversity	OSC Biology Ch 15	Lab 16: Ubiquity of Microorganisms
	Thur May 9	Extinctions	OSC Biology Ch 21	Movie: Racing Extinction
17	Tues May 14	Review Session	-----	Lecture Exam Final
	Thur May 16	Student Presentations	-----	Semester Wrap Up