

DEPARTMENT OF PLANT CELLULAR AND MOLECULAR BIOLOGY (PCMB)*
102 – INTRODUCTION TO PLANT BIOLOGY II: PLANTS, PEOPLE AND THE ENVIRONMENT
LECTURE AND LABORATORY SCHEDULE
WINTER QUARTER 2007

WEEK	DATE	LECTURE	LECTURE TOPIC	LABORATORY	QUIZ
1	1/3 1/5	1 2	Here we go again! Plant Biology 102. In the beginning: The origin of life.	No laboratory	No quiz
2	1/8 1/10 1/12	3 4 5	Plants of the past: Paleobotany. The theory of natural selection: Darwin. The monk's peas: Mendelian genetics.	Introduction to the laboratory. Set up experiments.	Quiz 1 Lectures 1 & 2.
3	1/15 1/17 1/19	<i>No class</i> 6 7	HOLIDAY - Martin Luther King Day All together now: chromosomes, genes and meiosis. Creative self-expression: How genes operate.	Paleobotany and angiosperm diversity.	Quiz 2 Lectures 3, 4, & 5
4	1/22 1/24 1/26	8 9 10	New and better: Recombinant DNA. Modern Alchemy: Biotechnology. Genes by the bunch: Population genetics.	Plant products	Quiz 3 Lectures 6 & 7
5	1/29 1/31 2/2	11 12 13	The wheel of fortune: Evolution of higher taxa. What goes around comes around: Evolution/genetics. MIDTERM EXAMINATION	Biotechnology	Quiz 4 Lectures 8, 9, & 10
6	2/5 2/7 2/9	14 15 16	The big apple: The ecosystem. Lighting up the sky: Energy. Over and over again: Nutrient cycles.	Symbiotic nitrogen fixation	Quiz 5 Lectures 11, 12
7	2/12 2/15 2/16	17 18 19	No fighting, please: Populations and competition. One after another: Vegetation in time and space. Here, there, everywhere: Biomes of the world.	Plant competition	Quiz 6 Lectures 14 & 15
8	2/19 2/21 2/23	20 21 22	Life in the oceans: Intertidal life and beyond. Life in the clouds: Pacific rainforest. Life in the jungle: The tropical rainforest.	Algae and mosses	Quiz 7 Lectures 17, 18 & 19
9	2/26 2/28 3/2	23 24 25	Life in the desert: Deserts of the Southwest. Life in the plains: Grasslands. Life in the forest: The deciduous forest.	Ferns and gymnosperms	Quiz 8 Lectures 20, 21 & 22
10	3/5 3/7 3/9	26 27 28	Life in the far north: The boreal forest and tundra. What falls from the hot sky: Acid rain and global warming. Review for the final.	Angiosperm life cycle	Quiz 9 Lectures 23, 24 & 25
	3/15		FINAL EXAMINATION – 1:30-3:18 PM – 200 CAMPBELL HALL		

*500 Aronoff Laboratory, 318 W. 12th Avenue, Columbus, OH 43210 • 292-8952