

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 2008

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

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