

DEPARTMENT OF PLANT CELLULAR AND MOLECULAR BIOLOGY (PCMB)\*  
 101 – INTRODUCTION TO PLANT BIOLOGY I: PLANTS, PEOPLE, AND THE ENVIRONMENT  
 LECTURE AND RECITATION SCHEDULE  
 WINTER QUARTER 2008

WEEK	DATE	LECTURE	LECTURE TOPIC	RECITATION	QUIZ
1	1/4	1	What you're in for: Plant Biology 101.	No recitation	No quiz
2	1/7 1/9 1/11	2 3 4	How they do it: The scientific method. The whole ball of wax: The vascular plant. From little acorns grow: Plant growth.	Introduction to PCMB 101 and The Pea Project.	No quiz
3	1/14 1/16 1/18	5 6 7	Exploring the world of the cell: The cell. One from another: Mitosis. The central dogma: DNA, RNA, protein.	Microscopes and Plant Cells. <b>Measure and treat pea plants</b>	Quiz 1 Lectures 2, 3, & 4
4	1/21 1/23 1/25	8 9	<b>HOLIDAY – MARTIN LUTHER KING, JR. DAY</b> The language of life: DNA and protein synthesis The machine of life: The leaf.	How Do Organisms Grow? <b>Measure &amp; treat peas on your own</b>	Quiz 2 Lectures 5, 6, & 7
5	1/28 1/30 2/1	10 11 12	Here, there, everywhere: Energy. Green magic I: Photosynthesis & light. Green magic II: Photosynthesis & CO <sub>2</sub>	Photosynthesis <b>Measure &amp; treat peas on your own</b>	Quiz 3 Lectures 8 & 9
6	2/4 2/6 2/8	13	The breath of life: Respiration. Time out: Review for midterm. <b>MIDTERM EXAM.</b>	No Recitation	No Quiz
7	2/11 2/13 2/15	14 15 16	Reaching for the sky: Stems. Middle age spread: Secondary growth. Underground parts: Roots.	The Primary Plant Body	Quiz 4 Lectures 10, 11 & 12
8	2/18 2/20 2/22	17 18 19	A place to grow: Soil and plant nutrition. Up, down, all around: Transport in plants. Flowers, flowers, flowers! Monocots and dicots.	Secondary Growth and Plant Growth Hormones <b>Pea report due</b>	Quiz 5 Lectures 14, 15 & 16
9	2/25 2/27 2/29	20 21 22	Sex, sex, sex! Reproduction in flowering plants. Bees, birds, and bats: Pollination. The flowers that bloom in the spring: Flowering.	Stems, Roots and Leaves. <b>Special project due</b>	Quiz 6 Lectures 17, 18, & 19
10	3/3 3/5 3/7	23 24 25	All the beautiful flowers: Flowers. Grandmother's dinner: Plants we eat. Coffee, tea, or opium? Stimulants from plants.	Plant Adaptations	Quiz 7 Lectures 20, 21 & 22
	<b>3/10</b>		<b>FINAL EXAMINATION: 11:30am – 10 March 2008</b>		