

**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 2007**

WEEK	DATE	LECTURE	LECTURE TOPIC	RECITATION	QUIZ
1	1/3 1/5	1 2	What you're in for: Plant Cellular and Molecular Biology 101. How they do it: The scientific method.	No recitation	No quiz
2	1/8 1/10 1/12	3 4 5	The whole ball of wax: The vascular plant. From little acorns grow: Plant growth. Exploring the world of the cell: The cell.	Introduction to the recitation and start of the pea experiment.	Quiz 1 Lectures 1 & 2
3	1/15 1/17 1/19	6 7	<b>Martin Luther King Day – HOLIDAY</b> One from another: Mitosis. The central dogma: DNA, RNA and proteins.	Microscopes, the plant cell, and mitosis. <b>Measure &amp; treat pea plants</b>	Quiz 2 Lectures 3, 4, & 5
4	1/22 1/24 1/26	8 9 10	The language of life: DNA and protein synthesis. The machine of life: The leaf. Here, there, everywhere: Energy.	DNA, RNA, and proteins. <b>Measure &amp; treat peas on your own</b>	Quiz 3 Lectures 6 & 7
5	1/29 1/31 2/2	11 12 13	Green magic I: Photosynthesis and light. Green magic II: Photosynthesis and CO <sub>2</sub> . The breath of life: Respiration.	Photosynthesis	Quiz 4 Lectures 8, 9 & 10
6	2/5 2/7 2/9	14 15	<b>MIDTERM EXAM</b> Reaching for the sky: Stems. Middle age spread: Secondary growth.	Primary plant body	Quiz 5 Lectures 11, 12 & 13
7	2/12 2/14 2/16	16 17 18	Underground parts: Roots. A place to stand: Soil and mineral nutrition. Up, down, all around: Transport within the plant.	Secondary plant body Plant hormones <b>Pea report due</b>	Quiz 6 Lectures 14 & 15
8	2/19 2/21 2/23	19 20 21	Flowers, flowers, flowers! Monocots and dicots. Sex, sex, sex! Reproduction in flowering plants. Bees, birds, and bats: Pollination.	Stems, leaves and roots <b>Special project due</b>	Quiz 7 Lectures 16, 17, & 18
9	2/26 2/28 3/2	22 23 24	The flowers that bloom in the spring: Flowering. All the beautiful flowers: Flowers. Grandmother's dinner: Plants we eat.	Plant adaptations	Quiz 8 Lectures 19, 20 & 21
10	3/5 3/7 3/9	25	Coffee, tea, or opium? Stimulants from plants. Review for final: lecture. Review for final: recitation.	Flowers, seeds, and fruit	Quiz 9 Lectures 22, 23 & 24
	<b>3/15</b>		<b>FINAL EXAMINATION: 11:30 AM – 1:18 PM</b>	<b>200 Campbell Hall</b>	

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