PLANT CELLULAR AND MOLECULAR BIOLOGY 300 – WINTER QUARTER 2008
LECTURE AND LABORATORY SCHEDULE
(READING ASSIGNMENTS FROM THE SECOND EDITION OF GRAHAM, GRAHAM, AND WILCOX)

WEEK	DATE	LECTURE TOPIC	READING ASSIGNMENT	LAB TOPIC
1	1/4	Course introduction, Plant Cells	59-79	No labs
2	1/7 1/9 1/11	Plant cell division and growth Plant tissue types I Plant tissue types II	121-133 134-149 See above	Introduction to the laboratory (Microscopes and plant cells)
3	1/14 1/16 1/18	Meristems Stems and primary growth Secondary growth	N/A 151-157 157-169	Vascular Tissues & Cell Walls
4	1/2 1/23 1/25	**HOLIDAY – MARTIN LUTHER KING, JR.** Leaves and photosynthesis **MIDTERM 1**	N/A 80-103; 191-209 N/A	Secondary growth and trees Leaves **Lab report 1 (Plant vascular system) due**
5	1/28 1/30 2/1	Roots Hormones Environmental control of plant growth I	170-189 211-218 218-225	Light I Gravity **Lab report 2 (Secondary growth and leaves) due**
6	2/4 2/6 2/8	Environmental control of plant growth II Nutrient cycles and plants Symbiosis	N/A 182-186; 476-480 186-187; 372-374	Light II C-Fern I
7	2/11 2/13 2/15	Plant systematics and life cycles Angiosperm life cycle and reproduction: flowers **MIDTERM 2**	227-243 419-431; 441-459 N/A	C-Fern II Arabidopsis flowering mutants **Lab report 3 (Light and gravity) due**
8	2/18 2/20 2/22	Seeds, fruits, and seedlings Green algae and bryophytes Seedless vascular plants	431-439 237-238; 386-391 391-399	Algae I C-Fern III
9	2/25 2/27 2/29	Gymnosperms Plant genetics and model species Plant diversity	400-417 244-261; 279-297 18-31; 441-459	Algae II C-Fern IV
10	3/3 3/5 3/7	Plant biotechnology and breeding Modern concerns in plant biology Review	264-277 572-587 N/A	Plant diversity **THIS LAB WILL BE HELD IN THE BIOLOGICAL SCIENCES GREENHOUSE** **Lab report 4 (C-fern) due**
	3/13	**FINAL EXAM: 60 JENNINGS HALL**	**9:30 – 11:18a.m.**	