

Syllabus – Botany 130 – Fall 2009

1	W 2 Sept	Introduction to Botany Plants in Our Lives	Ch 1:1, 9-13
2	F 4 Sept	The Big Picture: Life on Earth	Ch 1: 2-8, Ch 12: 227-228
	M 7 Sept	Labor Day – NO CLASS	
3	W 9 Sept	Molecular Composition of Plant Cells	Ch 2: 15-34
4	F 11 Sept	The Plant Cell	Ch 3: 35-52, Ch 12: 229-230
5	M 14 Sept	The Plant Cell Cont'd + Membranes	Ch 3: 52-58, Ch 4: 77-78
6	W 16 Sept	Membranes, Cellular Transport & Osmosis	Ch 4: 71-87
7	F 18 Sept	Metabolism & Intro to Respiration	Ch 5: 89-101
8	M 21 Sept	Aerobic & Anaerobic Respiration	Ch 6: 102-114
9	W 23 Sept	Pigments & Photosynthesis	Ch 7: 115-128
10	F 25 Sept	Photosynthesis, Variations & Summary	Ch 7: 128-139
11	M 28 Sept	Molecular Genetics: DNA & Replication	Ch 8: 142-143; Ch 9: 163-167
	W 30 Sept	<u>EXAM 1 (Covers material from Sept 2 - Sept 25, Lectures 1-10)</u>	
12	F 2 Oct	Molecular Genetics: Transcription & Translation	Ch 9: 167-179
13	M 5 Oct	Cell Cycle, Mitosis & Cytokinesis	Ch 3: 58-67
14	W 7 Oct	Meiosis, Heredity & Mendelian Genetics	Ch 8: 141-158
15	F 9 Oct	Sexual & Asexual Reproduction	Ch 8: 158-160
16	M 12 Oct	Plant Hormones	Ch 27: 603-621
17	W 14 Oct	Plant Growth	Ch 28: 622-644
18	F 16 Oct	Plant Cells & Tissues (MC)	Online TK
19	M 19 Oct	Plant Cells & Tissues (MC)	Online TK
20	W 21 Oct	Transport of Water, Food & Ions (KC)	Ch 30: 667-686
21	F 23 Oct	Plants & People (KC)	Ch 21: 475-485
	M 26 Oct	<u>EXAM 2 (Covers material from Sept 28 - Oct 20, Lectures 11 - 20)</u>	

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22	W 28 Oct	Evolution	Ch 11: 198-217
23	F 30 Oct	Systematics	Ch 12: 219-235
24	M 2 Nov	Bacteria & Fungi 1	Ch 13: 244-247 & Ch 14: 260-272
25	W 4 Nov	Fungi 2 & Slime Molds	Ch 14: 272-295 & Ch 15: 340-344
26	F 6 Nov	Protista: Heterokonts, Red Algae, etc.	Ch 15: 296-326
27	M 9 Nov	Green Algae & Introduction to Plants	Ch 15: 327-340
28	W 11 Nov	Living Together: Symbioses*	Ch 14: 285-294 review
29	F 13 Nov	Bryophytes: Mosses & Liverworts	Ch 16: 345-367

M 16 Nov EXAM 3 (Covers material from lectures Oct 23 - Nov 13, Lectures 21 - 29)

30	W 18 Nov	Seedless Vascular Plants 1: Club Mosses	Ch 17: 368-388
31	F 20 Nov	Seedless Vascular Plants 2: Ferns	Ch 17: 389-407
32	M 23 Nov	Origin of Seeds	Ch 18: 408-414
33	W 25 Nov	Gymnosperms	Ch 18: 414-433

F 27 Nov Thanksgiving break – NO CLASS

34	M 30 Nov	Seed Dispersal*	Ch 20: 468-472
35	W 2 Dec	Life Underground - Soils & Minerals (SCC)	Ch 24: 528-529 & Ch 29: 645 -653
36	F 4 Dec	Nutrient Cycles & Symbioses (SCC)	Ch 29: 653 – 666
37	M 7 Dec	Angiosperms 1	Ch 19: 434-451
38	W 9 Dec	Angiosperms 2 & Flower Pollination*	Ch 20: 452-467
39	F 11 Dec	Biomes and Flora of Wisconsin	Ch 32: 1-25 (posted online)
40	M 14 Dec	Botany and Global Change	Ch 21: 486-495

FINAL EXAM 4

Tues, Dec 22, 12:25 - 2:25 pm (Covers material from Nov 18 - Dec 14, Lectures 30 – 40)

Instructors must be notified of exam conflicts by September 18, 2009.