

Diversity of Plants and Fungi

Schedule

Week 1			
Aug. 27	Introduction to Biodiversity - Phylogenetics	BM	
Sept. 1	Introduction to Flowering Plants	LF	
Aug. 26,28	<i>Lab 1, none scheduled</i>		
Week 2			
Sept. 3	Introduction to Fungi	JT	
Sept. 8	Basidiomycota Diversity	JT	
Sept. 2, 4	<i>Lab 2, Basidiomycota</i>	JT	Page 3
Week 3			
Sept. 10	Ascomycota with Passive Spore Discharge	JT	
Sept. 15	Ascomycota with Active Spore Discharge	JT	
Sept. 9, 11	<i>Lab 3, Ascomycota</i>	JT	Page 8
Week 4			
Sept. 17	Zygomycota	JT	
Sept. 22	Chytridiomycota	JT	
Sept. 16, 18	<i>Lab 4, Zygomycota and Chytridiomycota</i>	JT	Page 14
Week 5			
Sept. 24	Oomycota	JT	
Sept. 29	Myxomycota	JT	
Sept. 23, 25	<i>Lab 5, Oomycota and Myxomycota</i>	JT	Page 19
Week 6			
Oct. 1	Integrative Mycology	JT	
Oct. 6	The Root System	LF	
Sept. 30, Oct. 2	<i>Lab 6, The Angiosperm Body Plan</i>	LF	Page 27
Week 7			
Oct. 8	MIDTERM I - Fungi	JT	
Oct. 13	Angiosperm Reproductive Systems	LF	
Oct. 7, 9	<i>Lab 7, Fruits and Seeds</i>	LF	Page 30
Week 8			
Oct. 15	The Embryo	LF	
Oct. 20	Photosynthesis	LF	
Oct 14, 16	<i>Lab 8, The Flower & Embryo Structure & Development</i>	LF	Page 36

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Week 9

Oct. 22 Transport LF

Oct. 27 Vascular Cambium/Secondary Tissues LF

Oct 21, 23 *Lab 9, Tour of the Botanical Garden* LF

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Week 10			
Oct. 29	Systems for protection, aeration, absorption, secretion and excretion	LF	
Nov. 3	Tropisms and Communication	LF	
Oct. 28, 30	Lab 10, <i>Cyanobacteria and Rhodophyta</i>	BM	Page 39
Week 11			
Nov. 5	MIDTERM II	LF	
Nov. 10	Big picture – The Tree of Life	BM	
Nov. 4, 6	Lab 11, <i>Phaeophyta, Chrysophyta, Dinophyta</i>	BM	Page 47
Week 12			
Nov. 12	Blue Green Bacteria and Red Plants	BM	
Nov. 17	Brown Plants and dinoflagellates	BM	
Nov 13, 18	Lab 12, <i>Euglenophyta and Chlorophyta</i>	BM	Page 58
Week 13			
Nov. 19	Introduction to Green Plants – Green Algae	BM	
Nov. 24	Bryophytes	BM	
Nov. 20, Dec 2	Lab 13, <i>Bryophytes and Early Land Plants</i>	BM	Page 75
Nov 21-22	Optional Mendocino Field Trip	JT, BM	
Nov 23	Lab 14, <i>Afternoon Demonstration of Mendocino Mushrooms</i>	JT	Page 83
Week 14			
Nov. 26	Thanksgiving Holiday		
Dec. 1	Ferns and Allies	BM	
Dec. 4, 9	Lab 15, <i>Ferns and Gymnosperms</i>	BM	Page 84
Week 15			
Dec. 3	Seed Plants	BM	
Dec. 8	Evolution of Flowering Plants	BM	
Miderm III	Saturday, December 19th, 8 – 9 am	BM	
Final Exam	Saturday, December 19th, 9 – 11 am	JT, BM, LF	