

## BOT 6516 Topic Schedule

<u>WEEK</u>	<u>TOPIC</u>	<u>READINGS</u>
January 9	Introduction to the course	None
	Why Study Metabolism; Metabolomics	
11	Membranes and Organelles	Chapter 1, 2-49
January 16	Nitrogen Assimilation	Chapter 8, 358-379
18	Amino Acid Biosynthesis	Chapter 8, 379-409
January 23	NO CLASS Fatty Acid Biosynthesis	Chapter 10, 456-486
25	NO CLASS Membrane Lipids.	Chapter 10, 486-507
January 30	Structural Lipids	Chapter 10, 507-526
February 1	(NO CLASS)	
February 6	<b>Exam I</b>	
8	Photosynthesis	Chapter 12, 568-581
February 13	Photosynthesis	Chapter 12, 582-610
15	Photosynthesis	Chapter 12, 610-627
February 20	Carbohydrate Metabolism	Chapter 13, 630-651
22	Glycolysis	Chapter 13, 652-674
February 27	<b>Exam II</b>	
March 1	Exam II Review	
March 6	Respiration, Photorespiration	Chapter 14, 701-728
8	Cell Wall Chemistry	Chapter 2, 52-89
March 13	<b>SPRINGBREAK</b>	
15	<b>SPRINGBREAK</b>	
March 20	Terpenoids	Chapter 24, 1250-1268
22	Alkaloids	Chapter 24, 1268-1288
March 27	Phenylpropanoids	Chapter 24, 1288-1316
30	<b>Exam III</b>	
April 3	Exam III Review	
5	Nitrogen Fixation	Chapter 16, 786-812
April 10	Nitrate Assimilation	Chapter 16, 813-824
12	Natural Products/ Plant-Based Medicinals	Four articles from current literature
17	Sulfur Assimilation	Chapter 16, 824-846
April 19	Phytohormones & Elicitors	Chapter 17, 850-884
24	Phytohormones & Elicitors II	Chapter 17, 884-925
30	<b>Final Exam</b>	<b>7:30 – 9:30 AM</b>