

*****PROVISIONAL*****

Plant Sciences / Biological Sciences 8505

Introduction to Plant Stress Biology

Instructor: Walter Gassmann

Class schedule: 11-12:50 TR, January 21 to March 11, 2013 (30 hours)

Location: 200 Waters Hall

Prerequisite: graduate standing

Class number (2 h per class)	Date	Topic	Instructor	Chapter (Buchanan, Gruissem, Jones: Biochemistry and Mol. Biology of Plants)
		Abiotic interactions		
1, 2	Jan 21, 23*	Water relations, drought	R. Sharp	2.5, 3.7, 22.1-22.5, 22.7
3	Jan 28*	Salinity	W. Gassmann	22.3, 22.4
4	Jan 30*	Acid soils/toxic metals	D. Mendoza-Cozatl	23.5
5	Feb 4*	Light/UV	M. Liscum	
		Biotic interactions: parasitism		
6	Feb 6	Introduction; Bacteria	W. Gassmann	21.1.3
7	Feb 11*	Plant resistance	W. Gassmann	21.2-21.6
8	Feb 13*	Fungi	Patrick Shiu	21.1.2
9	Feb 18	Fungi	J. Mihail	21.1.2
10	Feb 20*	Viruses	J. Schoelz	21.1.1, 21.1.4
11	Feb 25*	Insects	J. Schultz	21.1.6, 21.5.10
12	Feb 27*	Nematodes	M. Mitchum	21.1.5
		Biotic interactions: mutualism		
13	Mar 4*	Mycorrhizae	J. Mihail	16.4
14	Mar 6*	Symbiotic nitrogen fixation	G. Stacey	
15	Mar 11	final exam		

*hand-out of take-home question for preceding lecture(s)