

BCMB 523: Advanced Plant Physiology II - Growth and Development

Fall 2008, Tuesday + Thursday 9:40 - 10:55, Hesler 427

date	topic	paper discussion topic
21 Aug R	Overview of Plant Development: General Principles	
26 Aug T	Classical Hormonology	
28 Aug R	Plant Cell - Parts and Functions	
2 Sept T	Cell Growth - Acid Growth Hypothesis	
4 Sept R		Cellulose Synthase Movement
9 Sept T	Hormone Synthesis and Transport (Auxin)	
11 Sept R		Auxin Synthesis/Transport
16 Sept T	Auxin Receptors and Signaling	
18 Sept R	Light Responses - Photomorphogenesis	
23 Sept T	Phytochrome Responses	
25 Sept R		Photomorphogenesis
30 Sept T	Phototropism	
2 Oct R	Gravitropism	
7 Oct T	Exam 1 (9:40 - 10:55)	
9 Oct R	<i>no class - Fall Break</i>	
	Gametophyte Development/ Fertilization/Self incompatibility	
14 Oct T		
16 Oct R	Embryogenesis	Self-incompatibility
21 Oct T	Shoot Apical Meristem	Embryogenesis
23 Oct R	Shoot Apical Meristem	Shoot Apical Meristem
28 Oct T	Root Apical Meristem	Shoot Apical Meristem
30 Oct R	Leaf Development - Phyllotaxis	Root Apical Meristem
4 Nov T	Leaf Development - Polarity Leaf Development- Stomatal	Leaf Development - Phyllotaxis
6 Nov R	Patterning	Leaf Development - Polarity Leaf Development- Stomatal
11 Nov T	Circadian Rhythms	Patterning
13 Nov R	Phase Changes - Flowering	Circadian Rhythms
18 Nov T	Phase Changes - Flowering	Phase Changes - Flowering
20 Nov R	Flower Organ Development	Phase Changes - Flowering
25 Nov T	Fruit Development/Senescence	Flower Organ Development
27 Nov R	<i>no class - Thanksgiving</i>	
2 Dec T		Fruit Development/Senescence
4 Dec R	Exam 2 (10:15 - 12:15)	

NOTE that this schedule may change at any time during the semester.

Changes will be announced in class, on Blackboard, and on the class web site.