

PLB 105 Fall 2012

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Sections:
Lab rooms:

Lab 1 Microscopes and Microtechnique; Plant Development

Sep 27, 2012

Quantity	Plant Material	Date planted	Days	Directions
2 - 6" pots	Bean	Sep 20, 2012	7	20 seed/pot
4 - 6" pots	Bean	Sep 10, 2012	17	15 seed/pot
6 - 6" pots	Bean	Aug 30, 2012	28	6 seed/pot 4pl/pot
20 flowers	Tradescantia stamen trichomes	May 30, 2012	120	Repot

Lab 2 The Plant Cell

Oct 2, 2012

Quantity	Plant Material	Date planted	Days	Directions
A few	Aridisia petiole	Oct 2, 2012		Enter directions here
2	Begonia petiole "Angel Wing"	Oct 2, 2012		
	Elodea stems	Oct 2, 2012		
A few.	Lavendula leaf	Oct 2, 2012		Enter directions here
	Lemna	Oct 2, 2012		
50	Pereskia leaf	Oct 2, 2012		Enter directions here
	Pilea cadierei	Oct 2, 2012		
	Tradescantia zebrina	Oct 2, 2012		
3 - 6" pots	Vicia sativa	Sep 2, 2012	30	15 seed/pot

Lab 3 Parenchyma and Collenchyma

Oct 4, 2012

Quantity	Plant Material	Date planted	Days	Directions
3 - 6" pots	Cucurbita	Sep 11, 2012	23	6seed/pot 3pl/pot
	Eichornia petiole	Oct 4, 2012		
	Juncus stem	Oct 4, 2012		
2 - 5.5" pots	Medicago	Aug 17, 2012	48	8seed/pot
6	Nymphaea petioles	Oct 4, 2012		Enter directions here
	Petasites petioles	Oct 4, 2012		
	Sambucus	Oct 4, 2012		

Sansevieria Oct 4, 2012

Smilax root Oct 4, 2012

Lab 4 Sclerenchyma, Lab Quiz

Oct 9, 2012

Quantity	Plant Material	Date planted	Days	Directions
2 plants	Anthurium	Oct 9, 2012		Enter directions here
A few	Linum usitatissimum stems	Oct 9, 2012		Enter directions here
A few	Podocarpus leaves	Oct 9, 2012		Enter directions here
	Sanserieria	Oct 9, 2012		

Lab 5 Epidermis

Oct 11, 2012

Quantity	Plant Material	Date planted	Days	Directions
	Agrostis	Oct 11, 2012		
2 - 6" pots	Bean stomata	Sep 16, 2012	25	6 seed/pot 3pl/pot
	Begonia leaf, clustered stomata	Oct 11, 2012		
25	Begonia leaf, without clustered stomata	Oct 11, 2012		
4 - 6" pots	Corn stomata	Sep 11, 2012	30	8 seed/pot 4pl/pot
4 - 6" pots	Cotton stomata	Sep 6, 2012	35	6seed/pan 3pl/pot
	Dianthus leaves	Oct 11, 2012		
	Enseti	Oct 11, 2012		
	Ficus leaves	Oct 11, 2012		
2 - 4"pots	Gasoul	Jul 28, 2012	75	30 seed/pot, sand, refrigerator
	Iris leaves	Oct 11, 2012		
	Musa	Oct 11, 2012		
2 pots	Nicotiana rustica	Jul 26, 2012	77	Plant seed, 1 - 4" pot
2 pots	Nicotiana rustica	Aug 3, 2012	69	Plant seed, 1 - 4" pot
10 petiole	Nicotiana rustica petiole	Aug 12, 2012	60	1 - 4" pot, plant seed
	Panadanus	Oct 11, 2012		
	Pansy	Oct 11, 2012		
	Peperomia leaves	Oct 11, 2012		
20 leaves	Peperomia obtusifolium leaves	Oct 11, 2012		Enter directions here
	Snapdragon	Oct 11, 2012		

1	Sugar cane	Oct 11, 2012
	Tillandsia(Spanish moss)	Oct 11, 2012
	Verbascum leaves	Oct 11, 2012

Lab 7 Phloem

Oct 18, 2012

Quantity	Plant Material	Date planted	Days	Directions
3 - 6"pots	Cucurbita	Sep 23, 2012	25	6seed/pan 3pl/pot

Lab 8 Lab Exam 1

Oct 23, 2012

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Oct 23, 2012		Enter directions here

Lab 9 Root Apical Organization, Primary Growth, and Root Systems

Oct 25, 2012

Quantity	Plant Material	Date planted	Days	Directions
	Corolloid roots of cycad, Encephalartos	Oct 25, 2012		
	Epidendron ariel roots	Oct 25, 2012		
	Ficus pumila-clinging roots	Oct 25, 2012		
	Hedra helix (Ivy)--clinging roots	Oct 25, 2012		
	Iris rhizome	Oct 25, 2012		
	Monstera deliciosa--long roots with growing	Oct 25, 2012		
	Monstera roots	Oct 25, 2012		
18 - 6" pots	Pea, dark grown	Oct 20, 2012	5	6 - 6" pots 20seed/pot Vermiculite/sand
	Tradescantia zebrina	Oct 25, 2012		

Lab 10 Rootlike Organs, Specialized Roots, Mature primary roots

Oct 30, 2012

Quantity	Plant Material	Date planted	Days	Directions
3 - 4" pots	Dodder hastoria on Coleus	Aug 16, 2012	75	1 cutting Coleus/pot
5 - 5" pots	Foeniculum	Sep 25, 2012	35	6 seed/pot, 2pl/pot
3 - 4"pots	Rhizobium	Sep 30, 2012	30	Bean 3 seed/pot , inoculum
2, 3" pieces	Vanilla orchid root	Oct 30, 2012		
6 - 4"pots	Wheat roots	Oct 2, 2012	28	8 seed/pot

Lab 11 Root Secondary Growth and Anomalous Secondary Growth in Roots

Nov 1, 2012

Quantity	Plant Material	Date planted	Days	Directions
2 - 1gal pots	Carrot root	Sep 17, 2012	45	20 seed/pot, 6pl/pot
	Dracena draco--old roots	Nov 1, 2012		
2	Sugar beet	Nov 1, 2012		
6 - 6" standard	Sugar beet	Oct 12, 2012	20	12 seed/pot, 5pl/pot
2 - 1 gallon	Sugar beet, mature	May 30, 2012	155	6 seeds/pot, 1 pl/pot
2	Sweet potato	Oct 30, 2012	2	Sue will get at store.

Lab 12 Shoot Apical Organization, Primary Stem Primary Organization

Nov 6, 2012

Quantity	Plant Material	Date planted	Days	Directions
	Coleus--very young stems	Nov 6, 2012		
	Elodea shoot	Nov 6, 2012		
7-8/rm	Epidendron shoots	Nov 6, 2012		
4 - 6"pots	Lupinus apex	Oct 25, 2012	12	8seed/pot , cover w/sand 2" deep, cool temps
4 - 6"pots	Lupinus apex	Oct 29, 2012	8	8seed/pot , cover w/sand 2" deep, cool temps
	Lupinus shoot	Nov 6, 2012		
2 - 4" pots	Pilea pumila (Hesperonide tenella)	Sep 17, 2012	50	Find weedlings and transplant.
2 plants	Tolmiea	Nov 6, 2012		Enter directions here
2 - 5.5" pots	Young Corn shoot apex	Oct 16, 2012	21	6 seed/pot, no thinning

Lab 13 Lab Midterm Exam 2

Nov 8, 2012

Quantity	Plant Material	Date planted	Days	Directions
0	No plants specified	Nov 8, 2012		Enter directions here

Lab 14 Primary Stem Architecture, Stem Modifications, Initiation of Secondary Growth

Nov 13, 2012

Quantity	Plant Material	Date planted	Days	Directions
2	Cephalocereus with lateral cephalum	Nov 13, 2012		
2 plants	Duchenia stolons	Nov 13, 2012		Enter directions here
	Epidendron stem	Nov 13, 2012		
2	Melocactus with cephalum	Nov 13, 2012		

Peperomia obtusifolium stem. Bench 3 or Nov 13, 2012

A few Psilotum stems and rhizomes Nov 13, 2012 Enter directions here

Lab 15 Vascular Cambium, Wood Anatomy

Nov 15, 2012

Quantity	Plant Material	Date planted	Days	Directions
4 - 6"pots	Tomato	Sep 26, 2012	50	1 - 4" pan 12seed/pot

Lab 16 Periderm and Anomalous Secondary Growth in Stems

Nov 20, 2012

Quantity	Plant Material	Date planted	Days	Directions
4	Bougainvillea, 18 inch stem pieces	Nov 20, 2012		
	Cordyline stems	Nov 20, 2012		
	Dracena stem	Nov 20, 2012		
	Ivy stems	Nov 20, 2012		
	Palm, young stem	Nov 20, 2012		
	Sambucus twigs	Nov 20, 2012		

Lab 17 Secretory Structures

Nov 27, 2012

Quantity	Plant Material	Date planted	Days	Directions
	Acacia leaves	Nov 27, 2012		
	Acer	Nov 27, 2012		
	Any Euphorbia stem	Nov 27, 2012		
A few	Arbutus unedo flowers	Nov 27, 2012		Enter directions here
	Ardisia leaves	Nov 27, 2012		
	Bambusa	Nov 27, 2012		
	Bird of Paradise flowers	Nov 27, 2012		
A few	Cercropia stems & leaves	Nov 27, 2012		Enter directions here
	Chorisa petioles	Nov 27, 2012		
	Cissus rotundifolia	Nov 27, 2012		
A few	Correa leaves	Nov 27, 2012		Enter directions here
	Crassula argenta leaves	Nov 27, 2012		
a few	Euphorbia pulcherrima flowers	Nov 27, 2012		Enter directions here
50	Ginko leaves	Nov 27, 2012		Enter directions here

50	Impatiens leaves	Nov 27, 2012		Enter directions here
	Lactuca scariolar or Sonchus--leaves	Nov 27, 2012		
A few	Laurus nobilis leaves	Nov 27, 2012		Enter directions here
	Leea coccinea	Nov 27, 2012		
6	Lemons or limes	Nov 27, 2012		
2 - 4"pots, MUC	Mint leaves and stems	Aug 29, 2012	90	Take cuttings from Doug's plants
	Nerium oleander leaves	Nov 27, 2012		
	Passiflora sp. leaves and flowers. In Vit.	Nov 27, 2012		
A few	Phormium tenax leaves w/red variegation	Nov 27, 2012		Enter directions here
	Piper hispida	Nov 27, 2012		
	Piper nigrum , leaves and stems	Nov 27, 2012		
	Ribes viburnifolium, leaves for trichomes	Nov 27, 2012		
	Salix	Nov 27, 2012		
A few	Salvia leucantha flowers	Nov 27, 2012		Enter directions here
A few	Salvia officinalis leaves	Nov 27, 2012		Enter directions here
50	Taxus leaves	Nov 27, 2012		Enter directions here
2 - 6"pots	Tomato	Oct 8, 2012	50	1 - 4" pot, 12seed/pot

Lab 18 Leaf Development and Diversity

Nov 29, 2012

Quantity	Plant Material	Date planted	Days	Directions
	Acacia phyllodes,with juvenile (compound)	Nov 29, 2012		
2	Aloe plant in pot	Nov 29, 2012		Enter directions here
A few	Asparagus stems with leaves	Nov 29, 2012		Enter directions here
	Auracaria branch	Nov 29, 2012		
2	Ceratophyllum	Nov 29, 2012		
4	Dionaea	Nov 29, 2012		Enter directions here
	Drosera	Nov 29, 2012		
A few	Epiphyllum or Colletia	Nov 29, 2012		Enter directions here
	Eucalyptus--adult and juvenile leaves	Nov 29, 2012		
	Hedera (Ivy)--adult and juvenile leaves	Nov 29, 2012		
	Nymphaea (water lily) leaves	Nov 29, 2012		
2	Opuntia plant in pot	Nov 29, 2012		Enter directions here

4	Pinguicula	Nov 29, 2012	Enter directions here
2	Ranunculus	Nov 29, 2012	
	Ruscus cladodes	Nov 29, 2012	