

LAT 106
BASIC HORTICULTURE - SYLLABUS
Fall 2007 4.0 Credits CRN 40017

PORTLAND COMMUNITY COLLEGE
Rock Creek Campus

Meeting time: 5 PM - 9:50 PM, Mondays
Place: Bldg. 7. Rm. 126

INSTRUCTOR: Elizabeth Brewster

Office: Bldg. 7, Rm. 202, Rock Creek Campus

Office Hours: Mondays 2-4 drop ins
Tuesdays 2-3 drop ins
Wednesdays 11-3 by appointment only
Thursdays 3-5 drop ins

Communication: E-mail: elizabeth.brewster1@pcc.edu (BEST way to reach me)
Fax: 503-614-7050
Phone: 503-614-7632

REQUIRED Text & Materials: Botany for Gardeners by Brian Capon
Laboratory Exercises edited by Marilyn Alexander
A set of colored pencils for diagrams (5 colors minimum)

COURSE DESCRIPTION: This class is designed to provide the beginning landscape student with basic knowledge of plant anatomy, physiology, and classification. The effects of the environment on plant growth and development are explored. Material is presented by lecture, visual aids and hands-on laboratory experience.

PREREQUISITES: None

LABORATORY/ASSIGNMENTS: Laboratory is an important and required portion of the course and is designed to supplement and enhance lecture material. Students will work individually or in small groups. Consistent attendance and working through the lab packet is essential to the student. Completed lab sheets will be signed and turned in at the end of lab. In addition, there are one competency and five laboratory assignments to be turned in for a grade. Material from the labs will be covered on the exams.

EXAMINATIONS and GRADING: There will be three non-comprehensive examinations, and a final project. Papers and/or assignments turned in late will receive a 10% grade down for each

week late and be evaluated further from that point. After two weeks late assignments or papers will not be accepted, and a grade of “0” awarded. Your grade in this course is based on the following components:

Lab Participation	5 % (attendance and completed lab sheets)
Lab Assignments	10 % (6 assignments graded, lowest score dropped)
Exam # 1	25 %
Exam # 2	25 %
Final Exam	25 %
Final Project	10 %

Final Grades will be assigned as follows:

A = 90 – 100 %
B = 80 – 89 %
C = 70 – 79 %
D = 60 – 69 %
F = 0 – 59 %

MAKE UP EXAMINATIONS: Make up examinations are discouraged and should be resorted to when the student must miss the regularly scheduled examination due to a medical or family emergency. In order to be eligible for a makeup exam the following conditions should be met.

1. The student must notify the instructor of their absence from the regularly scheduled exam within 48 hours of the starting time of the exam and make arrangements with the instructor for a time to take the makeup.
2. The student must have a bona fide reason that is acceptable to the instructor.
3. Examinations must be made up within 7 school days of the examination date.

ACADEMIC HONESTY: You are expected to do your own work on all exams, lab assignments and projects. If the instructor suspects a student of cheating during an exam, or plagiarism on an assignment or project, the instructor will award that student with a grade of “0” for that exam, assignment, or project. Communication of any nature during the examinations is considered unacceptable.

DROPS/WITHDRAWALS: Students are personally responsible for dropping or withdrawing from their classes even if they do not attend. You may withdraw using the web or an add/drop form. You may receive a refund if you drop by the second Friday of the term. If you fail to drop during the refund period you will be responsible for the charges. If you quit attending and do not withdraw from the class, you can expect to receive an “F” for the class. **Please inform me if you are dropping the course.**

AUDITS and PASS/ NO PASS GRADES: Audit students are not assigned grades. An “AUD” will appear on the transcript. Letter grades are not given for the Pass/No Pass option. A “P” or “Pass” does require work to be done to a “C” standard. **If you wish either of these two options, please see the instructor before the end of the third week.** No changes in the grading scheme will be made after that date.

INCOMPLETES: Students who are making satisfactory progress and through **emergency circumstances** are not able to complete their course work may request a grade of “I” or incomplete. The student is responsible for the arrangement of this grade, subject to instructor approval, and must sign a document specifying the work needed to complete the course. The “I” grade must be made up within one academic year. **Lack of preparation for tests, assignments and or projects does not constitute a reasonable excuse for an incomplete.**

ADA: The Americans with Disabilities Act guarantees educational services to those with disabilities. If you have a disability which you think may adversely influence your performance in this class, contact the Office for Students with Disabilities (503-977-4341), TTD (503-246-4072) and talk with me before the second class meeting.

TUTORIAL ASSISTANCE: *Students needing tutorial help with math, writing or reading comprehension are encouraged to contact **Annette Murphy, 503-614-7665, amurphy@pcc.edu, M-F, 8:00 AM 5:00 PM** for free tutorial help. Annette has been very helpful in the past in working with students on landscape math applications.*

BASIC HORTICULTURE - Schedule of Classes

	Classroom Lecture	Textbook Pages
WEEK #1	Introduction to Horticulture Plant Classification	9 - 11, 220 - 223
WEEK #2	Cells and Tissues	16 - 24, 79 - 82
WEEK #3	Roots Exam Review	34 - 38, 53 - 55, 71 - 74
WEEK #4	EXAM #1 Stems	38 - 47, Chap. 3
WEEK #5	Leaves	47 - 52, 74 - 79
WEEK #6	The Ambient Environment: Light & Photosynthesis Exam Review	131 - 133, 165 - 173
WEEK #7	EXAM #2 Flowers, Pollination and Fruit	175 - 177, Chap. 9
WEEK #8	The Ambient Environment: Temperature	
WEEK #9	Seeds and Germination The Root Environment: Water & Soils	24 - 33 145 - 165
WEEK #10	Adaptations of plants NO LABS—VETERANS DAY	83 - 86, Chap. 5 & 6
WEEK #11	Plant Growth & Development Final Exam Review PROJECTS DUE!	134 - 145
WEEK #12	FINAL EXAM	

BASIC HORTICULTURE - Lab Outline

Text: All Lab exercises are included in the Laboratory Exercises packet.

	Lab Exercises	Pages
WEEK #1	Relationships in Taxonomy * *	5 - 12
WEEK #2	The Microscope * The Cell	13 - 22 23 - 28
WEEK #3	The Root	29 - 34
WEEK #4	The Stem	35 - 42
WEEK #5	The Leaf * Tissue Culture	43 - 52 53 - 56
WEEK #6	Photosynthesis	71 - 76
WEEK #7	Flowers, Pollination and Fruit * *	57 - 62
WEEK #8	Seeds and Germination	63 - 70
WEEK #9	Project Presentations Seeds and Germination results	63 - 70
WEEK #10	NO LAB	
WEEK #11	NO LAB— PROJECTS DUE! FINAL EXAM REVIEW	
WEEK #12	NO LAB – You're out of here!	

* Indicates a 2 point assignment to be handed in as assigned in class.

