

COURSE OUTLINE**Course Number:** OH 121**Course Title:** Herbaceous Plant Materials

Mondays 10am-11:50am-Lecture BS 212

Mondays 1:00pm-2:50pm – Lab

Greenhouse

Course Instructor: Dawn Merz cell-215-858-8753 email: dmerz24@aol.com**Text:** Armitage's Garden Perennials

Author: Allan M. Armitage

Publisher: Timber Press

Catalog Description: A study of cultivated, ornamental herbaceous plant species. Emphasis is placed on identification, use, height, texture, cultural requirements and season of bloom. Special interests include designing an herbaceous border, insect pests, diseases and growing techniques.**Prerequisites:** BY 101, For Biology Majors
OH 101, For Horticulture and Plant Science Majors, or permission of the Program coordinator

<u>Grading:</u>	Quizzes	30%
	Mid-Term Exam	20%
	Lab Attendance	10%
	Projects	20%
	Final Exam	20%

Mercer's Grading System:

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	70-76
D	60-69
F	0-59

Attendance Policy: Since this course covers an extensive amount of material over the semester, every lecture and lab is important and therefore attendance is mandatory. Quizzes will be given on a weekly basis and if you are absent you will miss a quiz. If you miss a lecture, quizzes are difficult to make up and you may receive a zero for a missed quiz. An excused absence is only one accompanied by a written medical note or a documented college activity. If you are going to miss a class please call Dawn to notify her of your absence.

Course Objectives:

- *To make the student aware of the remarkable diversity of herbaceous plant material that is suitable for landscape design purposes.
- * To develop the student's knowledge of various diseases and insects that attack herbaceous plants
- * To develop the student's knowledge of the factors of an herbaceous garden, i.e. design elements, color, habit and seasonal interest
- * To develop knowledge of the major techniques used for propagation of herbaceous plants
- * To develop a maintenance schedule for a herbaceous border

Behavioral Objectives: Upon completion of the course, each student should be able to:

- Identify herbaceous plant material by both the Botanical (Latin) and Common name
- Know the habit, flower color, foliage texture and primary use of each plant
- Design a herbaceous border
- Design and carry out a maintenance plan for the herbaceous border
- Identify common pests and diseases associated with each plant

Quizzes: They will be given every week in Lecture. Quizzes will be based on the previous week's material only. Quizzes are not cumulative. Quizzes will focus on identification only. You will need to know the Botanical and Common Name of each plant shown. All specimens will be shown on Power Point and you will be asked to identify each slide. No extra time will be given if you are late to a quiz. You will receive a 0 for any missed quiz!! All quizzes will be marked according to Mercer's Grading system (numerical grade), your lowest quiz grade will be dropped, all quiz grades will be averaged and this grade will be 30% of your overall Herbaceous Plant Material grade.

Mid Term and Final: Both exams will be written and cover all aspects of the plant material covered in lecture including; bloom color, time of bloom, plant's habits, foliage texture, susceptible pests and diseases and plant's use in garden. There will not be any identification on the exams, but the plant material may be referred to by the Botanical or Common Name. Midterm = 20% of grade Final= 20% of grade

Projects:

Project 1-Develop a wall calendar that depicts a 12 month year. Choose at least 4 perennials that are in peak bloom each month. For winter months you may need to use perennials that display unique foliage or texture. Creating the bloom calendar will be a way to create an herbaceous garden with consistent blooming throughout the year. It helps to have overlapping bloom sequences. Think of the project as an entire garden, the plants you pick will be the focal points throughout the garden. Your finished project should look like a calendar. Each month should be labeled and contain at least 4 perennials depicted with either colored drawings or pictures from magazines; labeled with both Botanical and Common names. Hint: You can use any 12 month calendar and paste your material over the existing calendar. Project is worth 10% of final grade. Bloom Calendar Project is Due Monday, November 19, 2007, you will need to present them to the class during Lab.

Project 2- Design an herbaceous garden with a theme. You must use a mixture of perennials, annuals, grasses and bulbs. Your garden should have consistent bloom or interest throughout the entire year. Garden should be at least 15'x15'. Themes could be based on any one of the following; full sun, shade garden, monochromatic garden, butterfly garden, drought tolerant garden, rock garden, 5 senses garden, cut flower garden or children garden. If you create your own theme, theme must be approved by Dawn prior to starting project. Project design can be drawn or you can use a computer design program, if you are familiar with using one. All projects should include a comprehensive plant list. Please note your theme on your project.

Theme Design Project is due on Monday, December 10, 2007. You will be required to give a brief presentation to the class. Presentation should be no longer than 5 minutes. Presentations will take place during lab. Project is worth 10% of final grade.

Cell Phone Policy: Cell phones are a distraction to those around you. MCCC has restricted their use in the classroom. Please have respect for your classmates and the instructor by turning off your phone for the duration of class. If you must make a phone call, please do during a break or after class. This policy also prohibits the practice of text messaging during class time. Points will be deducted from your lab grade if you are found using your cell phone including text messaging.

Power Point Presentations: All of the lectures will be accompanied by a Power Point Presentation. All of the presentations contain photographs I have personally taken as well as photographs downloaded from Google Images. All photographs in which are copyrighted have not been altered and are only allowed to be presented for educational purposes only. Therefore, I am prohibited from photocopying the presentations or emailing them to students. If you want to study plant identification through photographs you are encouraged to take pictures of the plant materials when we are in Lab and research the material through internet media as well as using the required textbook.

Schedule of Lectures and Labs

August 27, 2007	Lecture: Review of Course Outline and Annuals List # 1 Lab: Review of Projects/Labs and Herbs Seeding Project
September 3, 2007	NO CLASS- LABOR DAY HOLIDAY
September 10, 2007	Lecture: Annuals Quiz # 1 and Annuals List # 2 Lab: Perennials Planting and Campus Walk
September 17, 2007	Lecture: Annuals Quiz # 2 and Herbs & Grasses List Lab: Field Trip to Sesame Place
September 24, 2007	Lecture: Herbs & Grasses Quiz and Ferns List Lab: Transplanting of Perennials
October 1, 2007	Lecture: Ferns Quiz and Perennials List # 1 Lab: Field Trip to Kales Nursery

October 8, 2007	Lecture: Perennials # 1 Quiz and Perennials List # 2 Lab: Transplanting of Perennials
October 15, 2007	Lecture: Perennials # 2 Quiz, Perennials List # 3, Midterm Review Lab: Field Trip to Pleasant Run Nursery
October 22, 2007	Lecture: Midterm Annuals, Herbs/Grasses, Ferns, Perennials 1- 2 Lab: Preparation for Calendar Project
October 29, 2007	Lecture: Perennials # 3 Quiz and Perennials List # 4 Lab: Perennials & Grasses Clean-Up
November 5, 2007	Lecture: Perennials # 4 Quiz and Perennials List # 5 Lab: Bulb Planting
November 12, 2007	Lecture: Perennials # 5 Quiz and Perennials List # 6 Lab: Perennials Clean-Up
November 19, 2007	Lecture: Perennials # 6 Quiz and Bulbs List Lab: Presentations of Bloom Calendar Project
November 26, 2007	Lecture: Bulbs Quiz and Garden Design Lecture/ Mock Design Lab: Preparation for Garden Design Project
December 3, 2007	Lecture: Container Gardening Designs Lab: Preparation for Garden Design Project
December 10, 2007	Lecture: Review for Final and Gardening Q & A Lab: Presentation of Garden Design Projects
December 17, 2007	Lecture: FINAL EXAM Perennials 3-6, Bulbs, Design, Containers NO LAB

Lecture and Lab Schedules are tentative and subject to change due to weather, transportation issues and schedules of the destinations we are going to on the field trips.

Labs:

You are expected to attend all Labs. Lab field trips are required and lab attendance is worth 10% of your overall grade. The Mid-Term and Final will include some questions pertaining to the field trips. The labs are on a strict time schedule so please show up on time for Lab. We will discuss the field trip details as the semester progresses. Labs are rain or shine events and you should be prepared and dress accordingly. While on field trips please be courteous and respectful to the places we are attending and be prepared to take notes. We will be traveling in the Mercer vans to our field trip locations. Some labs are designed to give you “hands on experience” with the plant material. You are required to dress appropriately to every lab, be prepared to get dirty and wear appropriate footwear (closed shoes only i.e. sneakers or boots, no sandals or flip flops). All students need to participate in all lab activities; class participation will affect your overall lab grade.

