

**Environment 206A  
Environmental Horticulture  
Spring 2004**

**Instructor:** Dr. Anna M. Colangeli  
**Office:** F-340D  
**Office Phone:** 370-3459

**Lab/Lectures:** 30 hours (May 4 - June 16)

**Lab. Manual:** Environmental Horticulture: Spring 2004

Handouts, worksheets and assignments will be distributed in class throughout the course.

**Evaluation:** 100% of grade from group and individual assignments.

**ATTENDANCE in Lab and on field trips is COMPULSORY!** No credit will be given for the assignment if you are NOT present when the module is conducted by the rest of the class. If you are ill or have a legitimate reason for not attending (to be determined legitimate by the instructor), please phone the instructor to make alternate arrangements. If you do not notify the instructor, you automatically get a zero on the assignment, regardless of whether it is an individual or group assignment.

**Assignments will lose 15% per day late penalty.** Assignments will NOT be accepted later than one week after the due date.

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Course Objectives

**The student will be able to:**

1. Perform standard horticultural practices such as soil preparation, soil testing, planting, weeding, watering, fertilizing, pest control, pruning, thinning, transplanting, and propagating.
2. Take explants and do plant tissue culture. Understand the principles of tissue culture, including sterile technique, organogenesis, embryogenesis, callus initiation and proliferation.
3. Build and maintain a functional organic herb garden and vegetable garden.
4. Build and maintain functional composting systems.
5. Establish and maintain greenhouse plants.
6. Establish and maintain container gardens.
7. Identify, culture and disseminate biological control agents.
8. Understand the principles of integrated pest management.
9. Understand the principles of native plant gardening using xerophytic species.
10. Understand the principles of ecosystem restoration as it applies to native plant gardening and wildlife gardening.
11. Explain the principles and list the factual content of the course.