



COURSE OUTLINE

The Approved Course Description is available on the web @ _____

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for your records.

1. Instructor Information

- (a) Instructor: Dr. Anna M. Colangeli _____
- (b) Office hours: by appointment _____
- (c) Location: F246 _____
- (d) Phone: 370-3459 _____ Alternative _____
- (e) E-mail: Colangel@camosun.bc.ca _____
- (f) Website: <http://envrtech.disted.camosun.bc.ca>

2. Intended Learning Outcomes

(If any changes are made to this part, then the Approved Course Description must also be changed and sent through the approval process.)

At the end of this course, 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, propagating and grafting.
2. Take explants and do various methods of plant tissue culture utilizing sterile technique in Laminar Flow hoods.
3. Build and maintain a functional organic garden.
4. Build and maintain functional composting systems.
5. Establish and maintain greenhouse plants.
6. Identify, culture and disseminate biological control agents.
7. Discuss the principles of native plant gardening using xerophytic species.
8. Explain the principles and list the factual content of the course.

3. Required Materials

Lab. Manual: Environmental Horticulture: Spring 2007

Available Resources:

- The Gaia Book of Organic Gardening, Charlie Ryrie, 2005
- Year-Around Harvest, Winter Gardening on the Coast, Linda A. Gilkeson, 2005
- West Coast Gardening: Natural Insect, Weed and Disease Control, Linda A. Gilkeson, 2006
- Native Plants in the Coastal Garden, April Pettinger with Brenda Costanzo, 2002

4. Course Content and Schedule

Lab/Lectures: 30 hours (May 8 - June 19)

DATE	SECTION	TOPICS
May 8 May 9	A/C B/D	Lab. 1: Plant propagation - General techniques → rooted cuttings → sowing seeds → air layering Lab. 2: Plant propagation - Native Species → assignment of species Lab. 3: Introduction to organic gardening → prepare beds → plan gardens → start herbs for containers → Strawberry containers Introduce Good Bug/Bad Bug assignment
May 24 May 25	A/C B/D	Lab. 4: Soils → Soil testing → soil amendments Lab. 5: Introduction to Composting: → Compost bins → Worm bins Lab. 3: Plant gardens: include → seeding and transplanting → container gardening → Planting guide → Companion planting ideas
June 12 June 13	A/C B/D	Lab. 6 Field trip: Native Plant and Wildlife Gardening Willows School Assignment → Principles of xeriscaping → Native Plant Identification → Land reclamation/restoration
June 14 June 15	A/C B/D	Lab. 7: Pests and Beneficials → Identification → Good Bug/Bad bug presentation Lab. 8: Introduction to Bonsai
June 18 June 19	A/C B/D	Willows School Assignment Presentations Lab. 9 Introduction to Plant Tissue Culture → Micropropagation of African violets → Micropropagation of native species Project Completion → Data analysis → Potting up of successful propagation → Worksheet completion

5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a) Assignments

100% of final grade

6. Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

(Insert appropriate approved grading system – see last page of this template.)

The following percentage conversion to letter grade will be used:

A+ = 95 - 100%	B = 75 - 79%	D = 50 - 59%
A = 90 - 94%	B- = 70 - 74%	F = 0.0 - 49%
A- = 85 - 89%	C+ = 65 - 69%	
B+ = 80 - 84%	C = 60 - 64%	

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at <http://www.camosun.bc.ca>

ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html