



Horticulture Professional Certificate Program

Sept. 14 - Nov. 16, 2019

Instructor: Dr. Amir Khoddamzadeh
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Class Schedule: Saturday 9:00 am - 12:00 pm

Location: 11200 SW 8th St., Miami, FL 33199
Class: Owa Ehan (OE) building, lab 161
<http://campusmaps.fiu.edu/docs/MMC.pdf>

COURSE DESCRIPTION

This 30-hour non-credit survey course of horticulture provides students with core horticultural knowledge. It is appropriate for current and future employees and owners of nurseries, farms, landscape maintenance businesses, botanical gardens, parks, and golf courses as well as hobbyists, and handicapped individuals. All major aspects of horticultural concepts will be covered by theory and/or practical hands-on applications. Satisfactory completion of this course enables the student to sit for The Florida Nursery Growers and Landscapers Association (FNGLA) Horticulture Professional Certificate exam. The course is also a prerequisite for two other FNGLA certificate courses - the Florida Certified Landscape Contractor (FCLC) and the Florida Certified Landscape Designer (FCLD).

<https://www.fn gla.org/professional-development/certifications/fn gla-certified-horticulture-professional>

TEXTBOOK

The FNGLA Certified Horticulture Professional Manual © 2010, is provided by The Florida Nursery Growers and Landscapers Association (and is included in the course fee).



ADDITIONAL REFERENCES

Plant Science - Growth, Development, and Utilization of Cultivated

Plants, 5th Edition, by McMahon *et al.*

ISBN-13: 978-0135014073

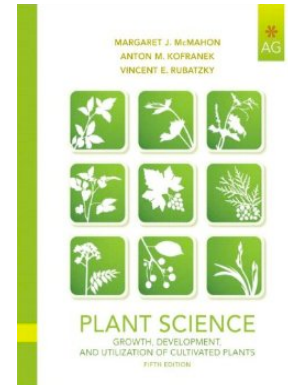
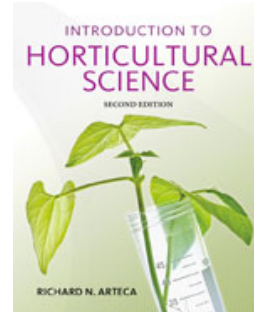
ISBN-10: 0135014077

Introduction to Horticulture Science

2nd Edition, by Richard Arteca.

ISBN-10: 1111312796

ISBN-13: 9781111312794



COURSE REQUIREMENTS AND POLICIES

Prior to coming to the workshop, each student is required:

- ✓ On-time participation in all scheduled class and nursery activities is required. Absenteeism and/or nonparticipation not only preclude a student's learning the material in this course, but also will likely affect his/her performance.
- ✓ All electronic devices must be turned off/muted during class.
- ✓ Reading of the assigned chapters from the textbook and additional readings prior to class is expected.
- ✓ Learn from the diverse group of people in the class by listening and considering what each person says and writes. You may disagree, but it must be in a way that shows respect and values each person.

WORKSHOP SCHEDULE

Week	Date	Topic	Reading
1	Sept. 14	Welcome and Workshop Overview History, Trends, and Divisions in Horticulture *Nursery Production and Management	Ch. 1
2	Sept. 21	Plant ID and Plant Biology *Plant Growth Hormones (PGRs)	Ch. 2
3	Sep. 28	Plant Propagation (Sexual and Asexual) *Asexual Propagation: Grafting	Ch. 2
4	Oct. 5	Plant Problems: IPM	Ch. 4
5	Oct. 12	Requirements for Plant Growth *Analyzing fertilizer	Ch. 3
6	Oct. 19	Selecting Plants for Landscape *Sexual Propagation: Plant Propagation by Seed and Vigor Tests Evaluation on Variety of Vegetables and Flowers	Ch. 5
7	Oct. 26	Soils and Water Relations: Irrigation *Nursery Production and Management	Ch. 6
8	Nov. 2	Landscape Management *Visit the Pine Island Nursery	Ch. 7
9	Nov. 9	Safety *Pruning	Ch. 8
10	Nov. 16	Current Topics in Horticulture Certificate Presentation	Papers Review

**Hands-on activity*

The Instructor reserves the right to change the outline, readings and dates of materials covered in this course.