

GENERAL INFORMATION

Professor Information



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Course Description And Purpose

An introduction to the principles and practices in the development, production and use of horticultural crops. Includes the classification, structure, growth and development, and environmental influences on horticultural plants: horticultural technology; and an introduction to the horticultural industries.

Course Objectives

- Understanding production horticulture will not only benefit agriculture science major but also benefit students from several disciplines. Upon course completion the student will be able to do the following:
 - 1) Define and describe the significance of horticulture to society,
 - 2) Demonstrate a working knowledge of the fundamental principles of plant growth and development,
 - 3) Apply the fundamentals of plant growth and utilize practical applications in horticulture, and
 - 4) Define and demonstrate current technologies used in today's horticultural enterprises.

Course Awards

IMPORTANT INFORMATION

Policies

Please review the [FIU's Policies](#) webpage. The policies webpage contains essential information regarding guidelines relevant to all courses at FIU, as well as additional information about acceptable netiquette for online courses.

As a member of the FIU community you are expected to be knowledgeable about the behavioral expectations set forth in the [FIU Student Code of Conduct](#).

Technical Requirements & Skills

One of the greatest barriers to taking an online course is a lack of basic computer literacy. By computer literacy we mean being able to manage and organize computer files efficiently, and learning to use your computer's operating system and software quickly and easily. Keep in mind that this is not a computer literacy course; but students enrolled in online courses are expected to have moderate proficiency using a computer. Please go to the "[What's Required](#)" webpage to find out more information on this subject.

Please visit our [Technical Requirements](#) webpage for additional information.

Accessibility And Accommodation

The Disability Resource Center collaborates with students, faculty, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable. The DRC provides FIU students with disabilities the necessary support to successfully complete their education and participate in activities available to all students. If you have a diagnosed disability and plan to utilize academic accommodations, please contact the Center at 305-348-3532 or visit them at the Graham Center GC 190.

Please visit our [ADA Compliance](#) webpage for information about accessibility involving the tools used in this course.

Please visit [Blackboard's Commitment Accessibility](#) webpage for more information.

For additional assistance please contact FIU's [Disability Resource Center](#).

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct includes: **Cheating** – The unauthorized use of books, notes, aids, electronic sources; or assistance from another person with respect to examinations, course assignments, field service reports, class recitations; or the unauthorized possession of examination papers or course materials, whether originally authorized or not. **Plagiarism** – The use and appropriation of another's work without any indication of the source and the representation of such work as the student's own. Any student who fails to give credit for ideas, expressions or materials taken from another source, including internet sources, is responsible for plagiarism.

Learn more about the [academic integrity policies and procedures](#) as well as [student resources](#) that can help you prepare for a successful semester.

Course Prerequisites

AGR 3930 Agriculture Colloquium or permission of the instructor.

Textbook



Plant Science: Growth, Development, and Utilization of Cultivated Plants (5th Edition)

Margaret E. McMahon, Anton M. Kofranek, Vincent E. Rubatzky

Pearson; 5 edition (June 7, 2010)

ISBN-10 0135014077

ISBN-13 978-0135014073

You may purchase your textbook online at the [FIU Bookstore](#).



Introduction to Horticultural Science

Arteca, Richard N.

Delmar Cengage Learning, 2nd Edition, 2014

ISBN-10 1111312796

ISBN-13 978-1111312794

You may purchase your textbook online at the [FIU Bookstore](#).

Expectations Of This Course

This is an online course, which means most (if not all) of the course work will be conducted online. Expectations for performance in an online course are the same for a traditional course. In fact, online courses require a degree of self-motivation, self-discipline, and technology skills which can make these courses more demanding for some students.

COURSE REQUIREMENTS AND POLICIES

Prior to coming to the theory discussion session, each student is required:

- On-time participation in all scheduled class 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. Failure to comply with this rule, may result in the student being excused from class.
- Reading of the assigned chapters from the textbook and additional readings from *Blackboard* 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.
- Please note: All field trips are tentative and subject to change

COURSE DETAIL

Course Communication

Course Communication will be conducted through email.

Early Alert

In an effort to help you succeed in your academic courses, FIU utilizes an Early Alert system. Instructors are now able to notify

students' academic advisors if there are concerns about class performance. If an alert is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an early alert. Our goal with this program is to help you to be successful by identifying any issues as early on as possible and working to address them.

Honor Code

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the *Student Handbook* and through the following link:

<http://academic.fiu.edu/AcademicBudget/misconductweb/1acmisconductproc.htm>.

CHEATING AND PLAGIARISM are violations of the academic honesty section of the FIU student code of conduct and will be reported to Judicial Services. Plagiarism is a serious offence will not be taken lightly. Plagiarism can be intentional (copying another student's work, collaborating too closely with another student) or unintentional (not citing all references, collaborating too closely with another student.) The best ways to avoid unintentional plagiarism are to reference all outside information, and to do all work on your own. If you have any questions about what is plagiarism, please ask the instructor. Instructors may use plagiarism detection software (such as turnitin.com) to determine if plagiarism has taken place. Suspected acts of plagiarism may be investigated and taken to the FIU Grievance Committee. Plagiarism will result in you receiving a 0 grade for your assignment (no exceptions) and may also result in your suspension or expulsion from the University.

SEXUAL HARASSMENT POLICY

FIU's sexual harassment policy is available at: http://hr.fiu.edu/index.php?name=sexual_harassment

Quizzes & Exams

In order to mitigate any issues with your computer and online assessments, it is very important that you take the "Practice Quiz" from each computer you will be using to take your graded quizzes and exams. It is your responsibility to make sure your computer meets the minimum [hardware requirements](#).

Assessments in this course are not compatible with mobile devices and should not be taken through a mobile phone or a tablet. If you need further assistance please contact [FIU Online Support Services](#).

- Quizzes and exams will consist of fill-in-the-blank, short answer essay, multiple choice, matching, true/false, problem solving, etc., covering the textbook, theory discussion sessions, lab experiences, and commodity tours.
- Students will make a 20 min presentation and upload in YouTube and will send the link to the class blog. Grading will be based on quality and thoroughness of investigation, as well as delivery.
- If other required academic activity precludes a student's taking a quiz or exam, the quiz or exam may be taken at full value prior to its scheduled time as shown on the Course Schedule; however, arrangements for taking the quiz or exam must be made through the message in blackboard with Dr. Khoddamazdeh at least two weeks prior to the quiz's or exam's scheduled time as shown on the Course Schedule, and a letter from the advisor or professor of the conflicting activity must be presented at that time.

Grading

Course Requirements	Number of Items
Mid Term Exam	25%
Final Exam	35%
Quizzes	20%
Presentation	20%
Total	100%

Letter	Range (%)	Letter	Range (%)	Letter	Range (%)
A	93 or above	B	83 - 86	C	70 - 76
A-	90 - 92	B-	80 - 82	D	60 - 69
B+	87 - 89	C+	77 - 79	F	59 or less

COURSE CALENDAR

Weekly Schedule

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

Week	Topic	Reading
1	Welcome and Course Overview	
	History, Trends, and Challenges in Horticulture	CH 1, 3
2	Climate	CH 4
	Soils	CH 5
	Composting and Vermiculture	
Week	Topic	Reading
3	Structure of Higher Plants	CH 6
	Photosynthesis	CH 11
4	Plant Growth and Development	CH 7
5	Genetics and Propagation (Sexual and Asexual)	
	Tropical and Subtropical Fruit Propagation	CH 9
6	Naming and Classifying	CH 10
7	Water Relations	CH 12
	Midterm Exam	
8	Mineral Nutrition	CH 13
	Postharvest Handling of Horticultural Crops	CH 16
9	Vegetable Production	CH 19
	Temperate Fruit and Nut Crops	CH 20
10	Tropical and Subtropical Crops Production	
	Pruning and Training Tropical Fruit Tree	CH 21
11	Nursery Production	
	Orchidology	CH 22
12	Floriculture	CH 23
13	Landscape Plants and Urban Design	CH 25
14	Constructed Landscape and Landscape design consideration: Residential and Public Landscapes	CH 26
15	Final Project	

