

Imperial Valley College Course Syllabus – Plant Propagation/Production

Inter Basic Course Information

Semester	Spring 2016	Instructor Name	Dr. Pat Pauley
Course Title & #	AG 138	Email	patrick.pauley@imperial.edu
CRN #	20969	Webpage (optional)	
Room	2732	Office	2773
Class Dates	February 16, 2016 – June 10, 2016	Office Hours	Monday, Wednesday & Thursday 0700 AM to 0800 AM Tuesday 1015 AM to 1115 AM
Class Days	Tuesday and Thursday	Office Phone #	760-355-6363
Class Times	0800 AM – 1005 AM T 0800 AM – 1110 AM TR 3	Office contact if student will be out or emergency	Department Secretary Silvia Murray 760-355-6201 or Ofelia Duarte 760-355-6155
Units			

Course Description

Plant propagation and production practices with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. Laboratory required. (CSU)

Student Learning Outcomes

Upon course completion, with a grade of "C" or better, the successful student will have acquired new skills, knowledge, and/or attitudes as demonstrated by being able to:

- Identify and discuss biotechnical advancements in plant propagation. (ILO1, ILO2, ILO4)
- Identify and discuss trends that influence plant propagation and production here and abroad. (ILO1, ILO2, ILO4, ILO5)
- Identify and discuss relevant crop propagation to Imperial Valley California and the United States. (ILO1, ILO2, ILO4)

Course Objectives

Upon satisfactory completion of the course, students will be able to:

- Explain the effect of temperature, water, humidity, and fertility on plant growth.
- Describe the principles of plant reproduction, sexual and asexual.
- Demonstrate the ability to grow plants from propagation to salable size by showing a mastery of the following skills: plant propagating methods including seed, cuttings, budding, grafting, layering, division, micro-propagation (tissue culture); proper timing for the various propagation and production techniques appropriate to the plant specie and propagation method; formulating planting and propagating media as specified in a recipe; measuring and mixing fertilizers and applying them following label directions; planting and transplanting a variety of plants into appropriate containers.
- Exhibit the personal skills (attitude, work habits, etc.) for successful employment in the wholesale nursery business.
- Discuss control procedures for at least ten common garden, landscape or crop and greenhouse pests.
- Identify, use, and maintain common propagation and nursery tools and equipment.
- Plan and design a nursery layout given a set of parameters.
- Develop a presentation of, and provide a demonstration of a selected propagation method.
Describe the various types of wholesale plant production industries locally and in California.

Textbooks & Other Resources or Links

Hartmann, H.T., Kester, D.E., Davies, F.T., Geneve, R 2011. Hartmann & Kester's Plant Propagation: Principles and Practices 8th. Prentice Hall ISBN: 978-0135014493.

Paul V. Nelson 2011. Greenhouse Operation and Management 7th. Prentice Hall ISBN: 978-0132439367.

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Course Requirements and Instructional Methods

Students must comply with all rules and regulations of Standards of Student Conduct outlined in the Imperial Valley College General Catalog. **For writing assignments I expect you to demonstrate proficiency in the use of the English Language.** Grammatical errors and writing that do not express ideas clearly will affect your grade. Students who are unable to write correctly and have trouble expressing ideas clearly are urged to contact the appropriate campus resources for assistance.

Exams

Two exams will be given. Exams may include true/false, short answer, multiple choice, and short essay questions. Exams will be worth 100 points each. **NO MAKE-UP EXAMS!**

Lecture Topic

The text will be followed starting with the back half of the book, then moving to the front section. Please be aware that there are “duplicates” of some chapter numbers so be sure you are studying the same material that is to be discussed.

Course Grading Based on Course Objectives

Class Requirements - Class grading will be based on points in the following distribution:

- Lab 100 points
- Attendance 100 points
- Exams 300 points

Grading - Final grades will not be further adjusted as any “rounding” will be done on individual exams, quizzes or assignments.

- A = 100 – 90%
- B = 89 – 80%
- C = 79 – 70%
- D = 69 – 60%
- F = < 59%

Attendance

The instructor as of the first official meeting of that class the first mandatory activity of an online class will drop a student who fails to attend the first meeting of a class or does not complete. Should readmission be desired, the student’s status will be the same as that of any other student who desires to add a class. It is the student’s responsibility to drop or officially withdraw from the class. See General Catalog for details.

- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as ‘excused’ absences.
- If you find that you need to excuse yourself early on rare occasion you should make every effort to get to class early so that you can sit close to the door. This will allow you to leave the room without disrupting the learning environment for your fellow students. Similarly, if you should not be able to avoid being late, it is your responsibility to come in and sit down in a manner that will not be disruptive. Either of these events are NOT to be regular occurrences for any given student. Additionally, it will be the student’s responsibility to obtain notes for any missed class time, as I do not lend them.

Classroom Etiquette

- **Electronic Devices:** I require that all cell phones, pagers and other noise making devices be **turned off or to vibrate** during class. If you must use these devices during class, I ask that you quietly and discretely leave the room. Failure to comply with such rules will earn you the opportunity to give a 5-minute oral presentation on an environmental topic of the instructor’s choice during the next class period or to receive an automatic deduction of 20 points from your overall course grade.
- **Food and Drinks:** are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- **Disruptive Students:** Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.

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- **Children in the classroom:** Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

- **Plagiarism** is taking and presenting, as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.
- Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Help – Discretionary Section and Language

- **Blackboard** support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- **Learning Labs:** There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- **Library Services:** There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>