

South Plains College
Common Course Syllabus: AGRI 1415
Revised 08/08/25

Department: Science
Discipline: Agriculture
Course Number: AGRI 1415
Course Title: Horticulture
Available Formats: conventional, fully online, dual credit
Campus: Seagraves High School- Ag Shop

Course Description: Structure, growth, and development of horticultural plants. Examination of environmental effects, basic principles of reproduction, production methods ranging from outdoor to controlled climates, nutrition, and pest management.

Semester Hours: 4 Lecture Hours: 3 Lab Hours: 3
Prerequisites: None
Credit: 4 Lecture: 3 Lab: 3

Instructor: Samantha Cornett
806-387-2520 EXT: 1224
Samantha.Cornett@seagravesisd.com
E-mail: Emails will be answered within 24 hours.

Textbooks: Files will be provided on Blackboard or passed out in class.
Supplies: Computers needed to complete materials on Blackboard.

This course partially satisfies a Core Curriculum Requirement:
Life and Physical Sciences Foundational Component Area (030)
Core Curriculum Objectives addressed:

- Communications skills—to include effective written, oral and visual communication
- Critical thinking skills—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- Empirical and quantitative competency skills—to manipulate and analyze numerical data or observable facts resulting in informed conclusions
- Teamwork—to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcomes:

From Lecture:

1. Identify the various horticultural industries and their roles in our society.
2. Describe the fundamentals of plant science.
3. Assess the interactions of soils, water, and fertility in plant science.
4. Contrast the methods of plant reproduction and propagation.
5. Explain the impacts of production methods and technologies on plant science.

6. Contrast methods of pest management in plant science.
7. Investigate methods of environmental manipulation (e.g. greenhouse controls, frost management methods, hot caps).

From Lab:

1. Apply scientific reasoning to investigate questions and utilize scientific and horticultural tools to collect and analyze data and demonstrate methods.
2. Use critical thinking and scientific problem solving to make informed decisions.
3. Communicate effectively the results of scientific investigations.
4. Identify the various horticultural industries and their roles in our society.
5. Describe the fundamentals of plant science.
6. Assess the interactions of soils, water, and fertility in plant science.
7. Contrast the methods of plant reproduction and propagation.
8. Explain the impacts of production methods and technologies on plant science.
9. Contrast methods of pest management in plant science.
10. Investigate methods of environmental manipulation (e.g. greenhouse controls, frost management methods, hot caps).

Course Evaluation:

There will be weekly quizzes and weekly Lab Assignments. There will be at least seven days between which each week's work is due. Thus, there will be no work accepted after the due date.

29 Quizzes/Exams- (50 points each) Total of 1450 points

10 Lab Assignments- (100 points each) Total of 1000 points

Homework: Assignments will be completed in Class or on your own if needed.

Lab Experiments: All Lab Experiments in person and ALL safety rules must be followed at all times.

Extra Credit: There will be no Extra Credit. All work must be completed as follows.

Final Course Grade:

90% = A

80% = B

70% = C

60% = D

Less = F

Attendance Policy: Students are expected to attend frequently in order to be successful in this course. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment. This is in accordance with the policies set forth in the SPC General Catalog. This course information sheet contains the

schedule of lectures and labs. If you are unable to finish this course, complete a withdrawal slip at the registrar's office.

Dropping a Course: Students may drop courses through Texan Connect, the Admissions and Records Office, or Advising and Testing Center through the late registration period. After late registration has closed, a student must complete the online Student Initiated Drop Request to drop a course. Students may also drop courses in person at any campus location by completing a Student Initiated Drop Form. Complete a Student Initiated Drop Form and return the signed form to the Levelland Admissions and Records Office, the Student Support Center at the Lubbock Downtown Center, the Lubbock Career and Technical Center, or Plainview Center. You must have a picture ID to complete the drop. A mark of "W" will be given for student-initiated drops that occur prior to and through the last day to drop as indicated in the online Academic Calendar found here:

<https://www.southplainscollege.edu/academiccalendar/index.php>.

Syllabus Statements: For information about Artificial Intelligence, Disabilities, Non-Discrimination, Intellectual Exchange, Title IX Pregnancy Accommodations, CARE (Campus Assessment, Response, and Evaluation) Team, Campus Concealed Carry, and COVID-19, please use this link:

<https://www.southplainscollege.edu/syllabusstatements/>.

Plagiarism and Cheating: Students are expected to do their own work on all projects, quizzes, assignments, examinations, and papers. Failure to comply with this policy may result in an F for the assignment and can result in an F or X for the course, if circumstances warrant.

Plagiarism violations include, but are not limited to, the following:

1. Submitting work that has been purchased, borrowed, or downloaded from another student or an online term paper site.
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.
5. Violating the Artificial Intelligence policy, as outlined in the syllabus. For more information on AI, please reference this in the syllabus statements:
<https://www.southplainscollege.edu/syllabusstatements/>

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain unfair advantage;
5. Taking an examination for another;
6. Altering grade records;

7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Lab Safety: Follow all instructions given for your safety and the safety of others. Close toed shoes are required when completing outdoor Labs.

Logging into the Course: You are not allowed to give your user ID and/or password to anyone. You will be dropped and given an F for your final grade if someone besides you is caught logging into this course under your user ID and/or password.

Course Schedule: The following table contains the tentative course schedule. All material (including lecture material, experiment material, and material scheduled for the chapter exams) is subject to change. Also, all dates are subject to change. Changes will be announced if necessary.

Week 1: (August 18-22)

Fruit and Nut Production & Vegetable Production	2 Quizzes and Lab
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Week 2: (August 25-29)

Foliage Plant Production & Bedding Plant Production	2 Quizzes and Lab
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Week 3: (September 1-5)

Scientific Classification & Nomenclature of Plants	2 Quizzes and Lab
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Week 4: (September 8-12)

Plant Structures & Functions	2 Quizzes and Lab
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Week 5: (September 15-19)

Anatomy of Plants & Plant Genetics	2 Quizzes and Lab
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Week 6: (September 22-26)

Fundamental Plant Processes	1 Quizzes and Lab
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Week 7: (September 29-3)

Container Grown Plants & Growing Media for Landscape Plants	2 Quizzes and Lab
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Week 8: (October 6-10)

Planting Trees, Shrubs, and Potted Plants	3 Quizzes
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Week 9: (October 13-17)

Plant Propagation	1 Quiz and Lab
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Week 10: (October 20-24)

Techniques in Plant ID	1 Quiz and Lab
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Week 11: (October 27-31)

Fertilizers & the Environment	1 Quiz and Lab
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Week 12: (November 3-7)

Budding & Grafting and Hydroponics 2 Quizzes

Week 13: (November 10-14)

Plant Pests- Chewing Insects, Sucking Insects, and Vertebrates 3 Quizzes

Week 14: (November 17-21)

Diseases of Landscape Plants 1 Quiz

Week 15: (November 24-28) Thanksgiving Break

Week 16: (December 1-5)

Plant Pests- Bacterial, Fungal, and Viruses 3 Quizzes

Week 17: (December 8-12)

Plant Pests, Pesticides & Herbicides 3 Quizzes

Week 18: (December 15th) (Final Exam)