

Sam Houston State University  
College of Sciences  
Department of Agricultural Sciences  
Spring, 2018

**Course # and Title:** AGRI 1307.02 - Plant Science (CRN 20931 )  
Lecture: TR 8:00-9:20 am (CHSS 206)

**ACE course**---Academic Community Engagement

**Instructor:** Sharon Frey, Lecturer Office: 350F Pirkle  
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**Teaching Assistants:** Robyn Key Email: [rlk013@shsu.edu](mailto:rlk013@shsu.edu) PIRK410  
AGRI 1107 Monday (1-2:50PM) & Wednesday (3-4:50PM)

Liz Brindza Email: [eab039@shsu.edu](mailto:eab039@shsu.edu) PIRK 410  
AGRI 1107 Wednesday (1-2:50) & Thursday (1-2:50)

**Text:** (not required, but recommended) Hartmann's Plant Science: Growth, Development, and Utilization of Cultivated Plants 4<sup>th</sup> or 5<sup>th</sup> Ed. Prentice-Hall  
Margaret McMahon, A.M. Kofranek, and V.E. Rubatzky

**Course Description:** Basic plant morphology, classification, propagation, and crop improvement are topics discussed along with growth and development of crop plants. An introduction to soils, climate, and plant protection follow with a final overview of the major groups of cultivated plants. This is an Academic Community Engagement (ACE) course which combines community engagement with academic instruction. Students' will have the opportunity to apply their course knowledge by actively engaging in various community efforts. It is hoped this experience will show the students they can be a positive force in their community, while learning the value of giving back.

**Course Objective:** Upon completion of this course, students should:

- have an understanding of the role and importance of higher plants in the living world.
- be able to define and describe various plant growth and developmental processes.
- be able to establish the relationship between plant, environment, animals and human beings.
- be able to use the acquired knowledge to solve basic plant related problems.
- be able to use the acquired knowledge to improve the quality of life within their community.

**Course Outline and Topics may include but not limited to:**

- Climatic Influence on Crop Production
- Growth and Development of Plants
- History, Trends, Issues and Challenges in Plant Science
- Invasive Plant Species
- Metabolic Processes in Plants
- Mineral Nutrition
- Photosynthesis and Respiration
- Plant Classification
- Plant Propagation
- Plant Structure and Nomenclature
- Soil and Soil Water
- Sustainability

**Course Evaluation:**

3 Lecture Exams @ 100 pts. ea.	300
Final Exam (comprehensive)	100
Service Opportunities and Reflection (10 hrs)	60
Lecture quizzes & Assignments (random)	?

**It is your responsibility to monitor your grade throughout the semester.**

**Course Evaluation Description**

- Grades are calculated by percentage of total possible points.
- Lecture exams will include all notes, assignments and discussion from lecture.
- Make-up exams will be allowed for official University excuses. Instructor must be informed personally by 5:00 p.m. the day of the exam.
- Service Opportunities – The course involves service to the community with opportunities to participate in activities outside of lecture and lab. Students are expected to contribute at least 10 hours toward such projects. The schedule of service hours at the horticulture center will be announced throughout the semester. Students may undertake a **preapproved** independent project for all required service hours (form p.5). Upon completion of the 10 hours a ‘reflection’ of your service hours must be submitted. Guidelines included in this document (page 4).
- Final exam—can be exempt **IF** satisfied with grade after the third exam, no more than two absences and completed all service hours and Reflection on or before Wednesday, April 25, 2018.

**Lab manual is ONLY available at campus bookstore, Barnes & Noble**

**USE OF TOBACCO AND TOBACCO PRODUCTS:**

**Sam Houston State University is a tobacco free campus and all tobacco products are prohibited in all buildings and outdoor public areas on campus. This includes the Horticulture Complex where labs are located.**

**Department of Agricultural Sciences Attendance Policy**

1. Regular and punctual attendance is expected of each student in the Department of Agricultural Sciences at Sam Houston State University.
2. If a student misses **three or more classes**, the student’s **grade will be reduced by one letter** grade. Additional penalties may be assessed at the discretion of the instructor.
3. Three unexcused or unjustified tardies or early departures are considered as one absence.
4. Excused absences must be documented by the student with a letter of confirmation from the sponsoring student organization, professor or doctor. Exemptions will include participation in departmental activities when prior approval is attained from the Department Chair.
5. No exams or assignment will be given at alternative times unless arrangements are made with the professor/instructor before the scheduled activity occurs.

**Academic Dishonesty**

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

**Classroom Rules of Conduct**

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular telephones and pagers must be turned off before class begins. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

### **Visitors in the Classroom**

Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

### **Student Absences on Religious Holy Days**

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student who is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

### **American with Disabilities Policy**

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail [disability@shsu.edu](mailto:disability@shsu.edu)). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dept/academic-affairs/documents/aps/students/811006.pdf>

### **Use of Telephone and Text Messages in Academic Classrooms and Facilities**

*Any use of a telephone or text messagers or any device that performs these functions during class is considered rude and inconsiderate of others in the class. Please refrain from such actions. If considered an emergency use please leave the classroom.*

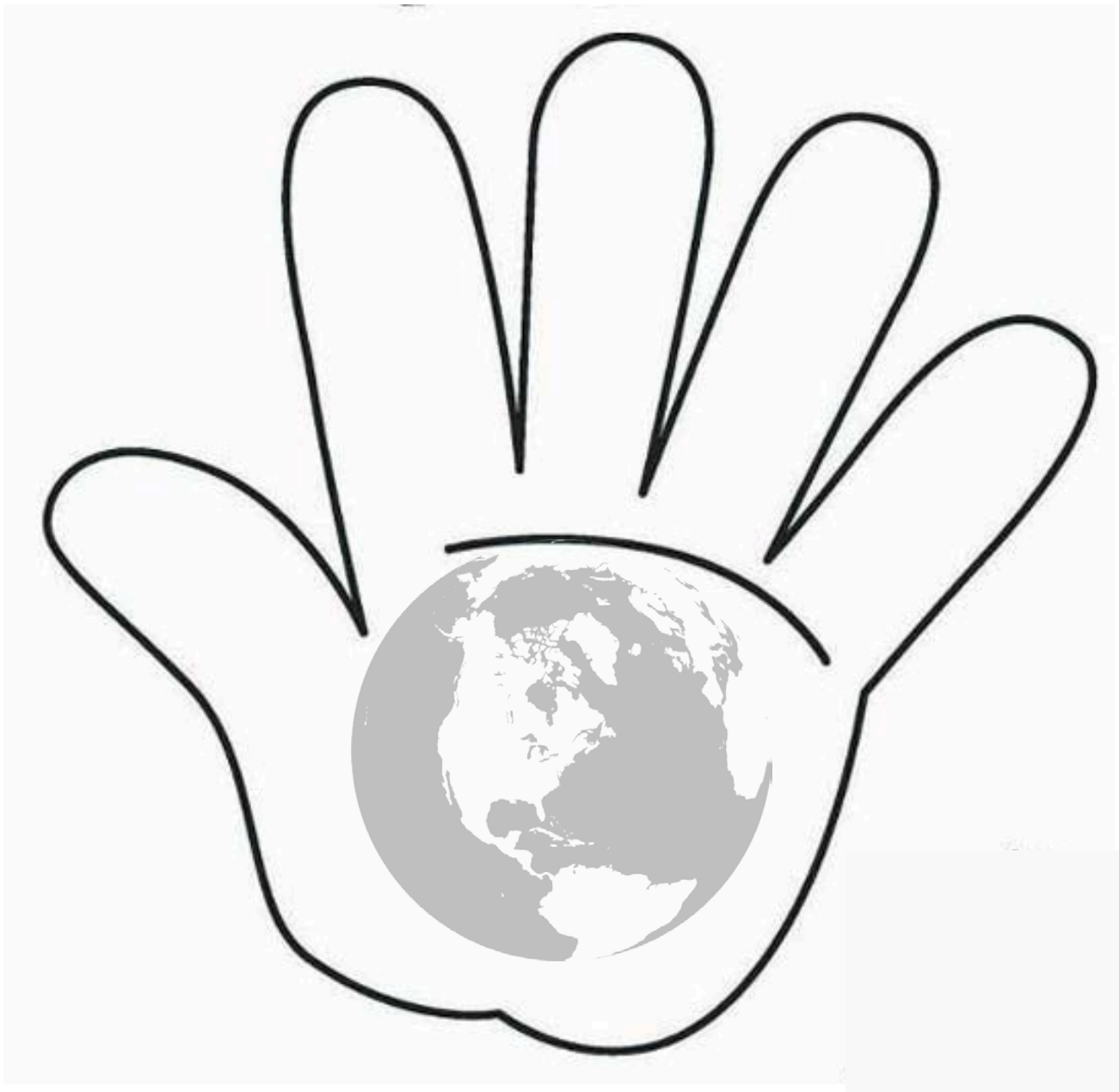
Use of such devices is prohibited during a test period, quiz or any in class written assignment. The visible presence of such a device during these times will result in a zero for that test, quiz or assignment. Store them in such a way that they cannot be seen or used by the student. Use of these devices during these times is considered a de facto evidence of cheating and could result in a charge of academic dishonesty (see student code of conduct <http://www.shsu.edu/students/guide/StudentGuidelines2010-2012.pdf#page=29>).

## Guidelines for PLSC 1307 Service Hours Reflection

- **PLSC 1307 has been approved as being an ACE class.** This is an opportunity for students to be engaged in the community (Academic Community Engagement). Our service hours provided that opportunity for you to engage with our university community by many of you helping with the needs at the Horticulture Center and others providing your energy and resources towards other community efforts. Please compose a “reflection” regarding your ‘service’ experience. (10 pts) Perhaps consider the worth of such efforts, benefits to you or Horticulture Center, personal gain (friendships, camaraderie, relaxation, etc.).
- Type--12 Font
- Double Space
- 1-2 pages
- Pictures **MUST** be included **IF** your service was NOT at the SHSU horticulture center.

Thank you for your energy and efforts.

**SHSU Motto: The measure of a life is its service.**



**MUST COMPLETE THE DESCRIPTION FOR PREAPPROVAL**

## Academic Community Engagement Contract

**SHSU MOTTO: "THE MEASURE OF A LIFE IS ITS SERVICE."**

I, \_\_\_\_\_, engaged in community service

under the supervision of (Name of supervisor) \_\_\_\_\_ (include company or organization if applies \_\_\_\_\_). Completion of this assignment is to fulfill partial or

full requirements (\_\_\_\_ hours) for PLSC 1307 Plant Science of SHSU. I am submitting this confirmation sheet with

description and documental hours with the signature of my supervisor during this involvement. Upon completion student will

submit a written reflection of the experience, include pictures, this form signed by Mrs. Frey and supervisor plus supervisor comments.

Date of Service	Hours Completed	Student Signature	Supervisor Signature

Comments of Supervisor:

**MUST COMPLETE THIS DESCRIPTION FOR PREAPPROVAL.****Description** of Community Service Activity:

- ACE Reflection will include pictures, journal of activities/project and your thoughts as to the worth of such efforts, benefits of your project, personal gain (friendships, camaraderie, relaxation, etc.).

Preapproved by \_\_\_\_\_ Date \_\_\_\_\_

