Name: Dr. Michael Maurer  
Email: use D2L email  
Phone: (936) 468-1729  
Office: Agriculture Bldg. Rm. 119  
Office Hours: MW 9:00 to 9:50 a.m., TR 8:00 to 10:00 a.m. or by appointment  
Department: Agriculture  
Class meeting time and place: Lecture - MW 10:00 to 10:50 a.m. Agriculture Bldg Rm 118, Laboratory - W 1:00 to 2:50 p.m., Agriculture Bldg. Rm. 108  

Course Description:  
Study of control of weedy plant species in row crops, pastures, fruit and vegetable crops, turf and around home. Includes applicator calibration.

Course Justification:  
HORT 3341 (AGN 367) “Weed Science” (2 credits lecture, 1 credit lab). The lecture and lab are taken concurrently. The points for the lecture and lab are combined into one grade for the course. The class meets three times a week (two 50-minute lectures and one 110-minute lab) for 15 weeks and also meets for a 2-hour final exam. Students have weekly reading assignments and are required to complete, two semester exams, calculation final and a final examination. The laboratory requires a calculation problem sets, weed identification walks and identification exams, plus three written reports. These requirements take at least 6 hours of out-of-class student work each week to complete.  
HORT 3041 (AGN 367L) “Weed Science Lab” (2 credits lecture, 1 credit lab). The lecture and lab are taken concurrently. The points for the lecture and lab are combined into one grade for the course. The class meets three times a week (two 50-minute lectures and one 110-minute lab) for 15 weeks and also meets for a 2-hour final exam. Students have weekly reading assignments and are required to complete, two semester exams, calculation final and a final examination. The laboratory requires a calculation problem sets, weed identification walks and identification exams, plus three written reports. These requirements take at least 6 hours of out-of-class student work each week to complete.

Student Learning Outcomes:  
Upon completion of this course, the student will be able to:  
1. Be familiar with key concepts related to weed ecology.  
2. Be able to identify common weed species in east Texas.  
3. Understand the various methods of weed control.  
4. Basic understanding of herbicide families.  
5. Safe application and use of herbicides.
Text and Materials:

Course Requirements:
Lecture
- Exam I 16%
- Exam II 16%
- Final 16%
- Weed ID (quizzes / exam) 18%
- Calculations 18%
Research Reports:
- Grass weed paper & presentation 8%
- Broadleaf weed paper & presentation 8%
Total 100%

Course Calendar:

Tentative Lecture Schedule
Topic outline and Exam dates
(Exam dates or topics may change with prior notification)
Topic (Suggested reading/chapter in text book).
Weeds: (100%)
- Introduction – 1:
- Weeds - 2:
- Weed Classification – 3:
- Use of Weeds – 4:
- Weed Reproduction and Dispersal – 5:
- Weed Ecology - 6:
- Allelopathy – 9:
- Methods of Weed Management – 10:
- Biological Weed Control – 12:
- Chemical Weed Control – 13:
- Herbicides and Plants – 14:
- Herbicides and Soil – 15:
- Properties and Uses of Herbicides – 16
- Herbicide resistance – 19:
- Herbicides and the Environment – 20:
Tentative Laboratory Schedule

Lab 1  Weed ID #1
Lab 2  Spreader calibration
Lab 3  Quiz #1 & weed ID #2
Lab 4  Dry herbicide calculations
Lab 5  Exam I
Lab 6  Quiz #2 & weed ID #3
Lab 7  Grass weed presentations
Lab 8  Quiz #3 & weed ID #4
Lab 9  Sprayer calibration
Lab 10 Exam II
Lab 11 Quiz #4 & weed ID #5
Lab 12 Broadleaf weed presentations
Lab 13 Quiz #5 & weed ID #6
Lab 14 Quiz #6 / Calculation exam

Exam and Report Schedule:

Grass weed report & presentation  October 11, 2023
Broadleaf weed report & presentation  November 15, 2023
Exam I  September 27, 2023
Exam II  November 1, 2023
Final  Monday, December 11, 2023
10:30 to 12:30 pm.

Grading Policy:
Grades will be assigned according to the following scale:

- A = 90 - 100%
- B = 80 - 89.9%
- C = 70 - 79.9%
- D = 60 - 69.9%
- F < 59.9%

Classroom Behavior:
Students are expected to assist in maintaining a classroom environment which is conductive to learning. In order to assure that all students have an opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from eating in class, making offensive remarks, reading newspapers, sleeping or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in, minimally, a request to leave the classroom.

Disruptive, distracting, or disrespectful behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic, or other penalties. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom.
**Responsible Use of Technology:**
It is expected that all students will only use cell phones, PDAs, laptop computers, MP3 players and other technology outside of class time or when appropriate in class. Answering a cell phone, texting, listening to music or using a laptop computer for matters unrelated to the course may be grounds for dismissal from class or other penalties.

**Attendance Policy**
Regular and punctual attendance is expected for all classes, laboratories, and other activities for which a student is registered. If a student has excessive absences, the instructor reserves the right not to give individual tutoring, special consideration regarding make-up work, or other help the student needs because of missing class. Attendance will also play a crucial role in decisions concerning borderline final grades.

**Excused Absences**
Students may be excused from attendance for certain reasons, among these are absences related to health, family emergencies, and student participation in certain university-sponsored events. However, students are responsible for notifying their instructors in advance whenever possible for excusable absences.

Students are responsible for providing timely documentation satisfactory to the instructor for each absence. Students with acceptable excuses may be permitted to make up work for absences to a maximum of three weeks of a semester when the nature of the work missed permits. Whether excused or unexcused, a student is still responsible for all course content and assignments. **Documentation for excused absences is due within 10 days of the absence.**

**Academic Integrity (4.1)**
The Code of Student Conduct and Academic Integrity outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6)
Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

**Withheld Grades Semester Grades Policy (5.5)**
Please copy and paste the following information regarding Withheld Grades into your syllabus. Add additional information as needed to meet your departmental or course needs.

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course to compute the grade point average. For additional information, go to https://www.sfasu.edu/policies/course-grades-5.5.pdf.

**Students with Disabilities**
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.
Mental Health
SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
SFASU Counseling Services
https://www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
http://www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741
Program Learning Outcomes:

1. The student will demonstrate entry level skills needed for success in horticulture, agronomy and other related fields in the area of a) plant physiology and anatomy, b) practical experience in plant management systems, c) basic knowledge of plant genetics and reproduction, d) identification and knowledge of crops and e) management of soils and soilless media.

2. The student will demonstrate quantitative competence related to horticulture and agronomy.

3. The student will exhibit problem solving skills based on quantitative and analytical reasoning.

4. The student will demonstrate effective communication skills.

5. The student will exhibit leadership and other interpersonal skills needed for career placement and advancement.

Program learning outcomes 1 and 2 are addressed in this class.

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<thead>
<tr>
<th>Course</th>
<th>PLO 1 Plant Science</th>
<th>PLO 2 Quantitative</th>
<th>PLO 3 Problem Solving</th>
<th>PLO 4 Communications</th>
<th>PLO 5 Leadership</th>
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<tbody>
<tr>
<td>AGN 367</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>I</td>
<td>I</td>
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B-Basic  I-Intermediate  A-Advanced  M-Mastery