SYLLABUS
FOR 575: INSECTS IN RIGHT OF WAYS, Spring 2020

Instructor: Dr. David L. Kulhavy, Laurence C. Walker Professor
Office: Forestry Building, Room 203F; 936 468-2081
Office Hours: 9-12 MW am and 4:30 pm to 5:00 pm MTW or By Appointment

Meeting Times: To be arranged

Course Description: 3 Credit Hours; planning, establishment, and acquisition of literature and information on use of utility right of ways for insects as pollinators.

Course Objectives: The course will concentrate on integration of literature and utility company management on insects as pollinators. The course will combine literature review, poster, and power point presentation on the role of utility corridors for use in recovery and establishment of pollinating insects.

Program Learning Outcomes: FOR 575

The course shall meet the following MF Master of Forestry learning outcomes:
1. Demonstrate understanding and competency of investigating insects in right of ways;
2. Demonstrate understanding and competency in the use of insects in rights of ways in utility management of natural resources;
3. Demonstrate understanding and competency in insects as pollinators;
4. Demonstrate understanding and competency of right of ways investigations, insects as pollinators and management policies on utility company use of right of ways for insect pollinators.
5. Demonstrate understanding and competency in oral and written communication skills.

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<th>Course</th>
<th>PLO 1 Geospatial Competency</th>
<th>PLO2 Geospatial Measurement</th>
<th>PLO3 Geospatial Measurement</th>
<th>PLO4 Geospatial Outcomes, Products</th>
<th>PLO5 Oral &amp; Written Communication Skills</th>
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1. A – Advanced – course supports Program Learning Outcome by providing students with topic-specific information, concepts, applications, and lab activities that increase the students’ skills in making tactical implementation decisions relative to the expected outcomes.
Student Learning Outcomes: Basic competencies of insects as pollinators will be reviewed (PLO1). Concepts and techniques in the applied applications of right of ways use for insect pollinators will be presented (PLO2). Methods of insect pollinator utility line measurements of natural resources will be discussed (PLO3). Knowledge of applied right of ways management for insect pollinators as the foundation for developing and implementing sound natural resource management will be emphasized throughout the course; this will be coupled with the use of insect pollinator literature and establishment of viable populations in natural resource planning (PLO4). Professional ethics as it relates to the practice of applied right of ways management will be discussed (PLO4). Oral and written laboratory reports will be assigned to improve communication skills (PLO5).

Course Goal: Insects as pollinators in utility right of ways will be reviewed (PLO1). Concepts and techniques in the application of geospatial management for measurements will be presented and applied including Google Earth Pro, Pictometry and use of Unmanned Aerial Systems (UAS or drones) in assessment. Methods to measure natural resource measurements of insect pollinators will be utilized. Course goals include a professional paper utilizing insect pollinators in utility corridors.

Required Readings as Assigned

General Course Policies:

Attendance: Attendance is mandatory for lecture and laboratory. The student is responsible for making the instructor aware of an excused absence. Each unexcused absence will result in a final total point reduction of five percent. Refer to the SFASU Policy Manual on the SFASU web-site for more information.

Assignments and Grades: There are 500 points available in the course: 100-point journal and workbook of sources and timeline, a 150-point applied insect pollinator management plan with a poster, and a 150 point applied application booklet based on the literature. A Power-point presentation of the applied geospatial application, 100 points.

Preparation of Insect Pollination Management Plan: You will be expected to show competency in a natural resource plan for insects as pollinators in utility right of ways. The plan will be presented in a power point, poster and professional journal. A handout will be provided that describes the data provided and the expectations of the insect pollinator in utility right of ways plan. At the completion of the term, a professional paper needs to be produced.

Other Policies:
Withheld Grades Semester Grades Policy (A-54) A grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances and is done at the discretion of the instructor of record with the approval of the academic chair/director. 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 for the purpose of computing the grade point average.

**Student Academic Dishonesty Policy (4.1)**
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism. **Definition of Academic Dishonesty:** Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Please read the complete policy at [http://www.sfasu.edu/policies/student_academic_dishonesty.pdf](http://www.sfasu.edu/policies/student_academic_dishonesty.pdf)

**Course Grades Policy (5.5)**
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 course work 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 for the purpose of computing the grade point average. Please read the complete policy at [http://www.sfasu.edu/policies/5.5_course-grades.pdf](http://www.sfasu.edu/policies/5.5_course-grades.pdf)

**Academic Accommodation for Students with Disabilities Policy (6.1)**
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/](http://www.sfasu.edu/disabilityservices/)

**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.
Acceptable Student Behavior
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy 10.4). Unacceptable or disruptive 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. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed. Please read the complete policy at http://www.sfasu.edu/policies/student-code-of-conduct_10.4.pdf