



FORS 1210-GPS/GIS Aerial Photography
COURSE SYLLABUS
Summer Semester 2022

COURSE INFORMATION

Credit Hours/Minutes: 4/5250

Class Location: Room # 6110 Building (Bldg.) 6

Class Meets: Wednesday 8:00 am-1:00 pm

Course Reference Number (CRN): 60019

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Sherry Sturgis

Professional Bio: I received my B.S. and M.S. in Biology from Georgia Southern University, with an emphasis in Ecology. I am an Ecologist, Conservationist, Wildlife Rehabilitator, and Environmental Educator.

Email Address: [Sherry Sturgis](mailto:Sherry.Sturgis@southeasterntech.edu) ssturgis@southeasterntech.edu

Campus/Office Location: Swainsboro, Building 6, Room # 6110

Office Hours: By appointment

Cell Phone: 912-531-4543, please text me first. Please contact me only if you really need to reach me. I do not mind you contacting me, just don't abuse the privilege.

Fax Number: NA

Tutoring Hours: By appointment only

Note: The schedule is subject to change. The weather may influence our labs. If we cannot go out in the field, we will use time wisely in class or the computer lab for assignments or research. We will have field trips, I will let you know as soon as I know these dates. . There may be options for students to earn DNR volunteer credits on certain days. This will be a great opportunity for you. Field trip are required, if you cannot attend a field trip, you need to discuss it with me as soon as possible.

Labs are a large percentage of this course. You need to attend all labs. Your grade will be impacted if you miss labs. Cell phone should not be out unless we are using them for class. Do not have cell phones out if we are working with equipment in the field. We will use the campus at STC and various local sites for out lab and field activities.

SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php) (<http://www.southeasterntech.edu/student-affairs/catalog-handbook.php>).

REQUIRED TEXT

No text is required for this class. The instructor will provide the materials needed

MAKEUP GUIDELINES

No makeup assignments, labs or tests will be given. A zero will be given if you miss a test or a lab day. Only students with extenuating circumstances (who contact the instructor on the day of the test regarding their absence) will be allowed to take a makeup test, which will replace the zero. A zero will also be given for assignments which are not turned in on due dates, you may receive partial credit for work turned in late. Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the missed test will be taken the next day, scheduled outside of regular class time. It is within the instructor's discretion to accept or reject late assignments. **Failure to take the final exam/practicum at the end of the semester will result in a grade of zero.** Students are expected to complete all work.

REQUIRED SUPPLIES & SOFTWARE

Pencils, paper, highlighter, field manual, boots, snake boots, muck boots, sunglasses. Access to computer with Microsoft Word. Requires student to be proficient in the use of Blackboard. This is a web enhanced course. Copies of PowerPoint presentations (PPTs) will be placed on Blackboard. Students are expected to access Blackboard on a regular basis.

Students should not share login credentials with others and should change passwords periodically to maintain security.

COURSE DESCRIPTION

This is an applied course covering habitat management practices beneficial to wildlife. Emphasis is placed on methods for increasing quality food production and cover, and developing and executing management plans. Upon completion students should develop, interpret and execute management plans to establish, maintain and improve quality habitat. Students should have a clear understanding of various forms of habitat manipulations and the impacts upon wildlife species.

MAJOR COURSE COMPETENCIES

This course covers all aspects of habitat and how they can be manipulated for particular goals. Topics include the following; native vegetation management, nutritional wildlife food plots, prescribed fire, herbicide application, mechanical techniques of habitat management and management plans.

PREREQUISITE(S)

None

COURSE OUTLINE

1. Introduction to Global Positioning and Geographical Information Systems
2. Area Determination
3. Global Positioning Systems
4. Geographic Information Systems
5. Aerial Photography

GENERAL EDUCATION CORE COMPETENCIES

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

STUDENT REQUIREMENTS

Students are responsible for policies and procedures included in the Catalog and Handbook. FWMT students are responsible for keeping clean, weather appropriate, dry clothing with them at all times. Failure to have appropriate accessories (waders, boots) does not excuse any student from participating in all field labs. Students are required to attend field trips and volunteer work days. Students will be notified of the dates as soon as possible. Students are responsible for studying all materials given by the instructor and posted on Blackboard. **Students are responsible for checking Blackboard daily. LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**

ATTENDANCE GUIDELINES

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" in a course.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:Macy_Gay_mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:Helen_Thomas_hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

SPECIFIC ABSENCES

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:Macy_Gay_mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:Helen_Thomas_hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

2. Second Offense

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The

Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

American With Disabilities Act (A A)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer	Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 st Street, Vidalia Office 108 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@southeasterntech.edu

ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and Banner Web via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

GRADING POLICY

Assessment/Assignment	Percentage
Labs & Lab Assignment	50%
Exams (2)	20%
Project (Final Exam)	20%
Assignments & Discussion Board	10%

GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

FORS 1210-GPS/GIS Aerial Photography Summer Semester 2022 Lesson Plans

Note; Schedule may vary due to the weather

Date/Week	Content Chapter/Lesson	Lab/field days	Assignments & Tests	Competency Area
Week of 05/16	Lecture 1 Course Introduction Introduction to Global Positioning Systems. Global positioning equipment used Purpose of Geographic information systems	Syllabus, Policies/Procedures for lab Explain project Introductions Lecture, no lab this week	No assignments this week	1,2,3,4,5,6 a, b, c
Week of 05/23	Lecture 2 Area determination Determine the number of acres Draw maps to scale	Lab 1 Intro to GPS/GSI In field/lab	Review assigned lectures & work Assignment 1- Why use GPS?	2,3 a, c
05/30	Memorial Day Holiday	No Class		
Week of 06/06	Lecture 3 Maps Determine acreage using dot grids and plat planimeters	Lab 2- Maps	Review assigned lectures & work Assignment 1 due	1,2,3 a, b, c
Week of 06/13	Lecture 4 Topographic maps	Lab 3- In field/lab	Review assigned lectures & work Assignment 2 Topographic maps	1,2,3,4 a, b, c

Date/Week	Content Chapter/Lesson	Lab/field days	Assignments & Tests	Competency Area
Week of 06/20	Lecture 5 Understanding the operations of global positioning systems Equipment used	Lab 4- GPS In field/lab	Review assigned lectures & work Assignment 2 Due Review for Exam 1	1,2,3,4 a, b, c
Week 06/27	Lecture 6 Understanding the purpose of Geographic Information Systems (GIS) Understanding maps using GIS	Lab 5- GIS In field/lab	Assignment 3 Importance of GIS Exam 1	1,2,3,6 a, b, c
07/04	Fourth of July	No Class		
Week of 07/11	Lecture 7 Aerial photographs of a tract Compute the scale of the aerial photo Interpret aerial photos Discuss the use of stereoscopic viewing of aerial photos Assistance with projects	Lab 6- Aerial photos In field/lab	Assignment 3 Due Assignment 4 Aerial Photography & topographic mapping Review for Exam 2	6 a, b, c
Week of 07/18	Lecture 8 Review all topics covered for final exam Assistance with projects	Lab 7- Project time	Assignment 4 Due Exam 2	5,6 a, b, c
Week of 07/25	Final Exam/Project	No lab this day	In class presentation of final projects. Final Exam/Project	1- 6 a, b, c

COMPETENCY AREAS: FORS 1210-GPS/GIS AERIAL PHOTOGRAPHY

4. Introduction to Global Positioning and Geographical Information Systems
5. Area Determination
6. Global Positioning Systems
7. Geographic Information Systems
8. Aerial Photography

GENERAL CORE EDUCATIONAL COMPETENCIES:

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.

Project Rubric (100 Points Total)

Topic, Outline, and Plan- 33.3 Points

You and your group members must present your topic, outline, and plan for your project one month prior to the due date. This should be a minimum of 1 page.

Work Demonstrated on Project/Research-33.3 Points

You must demonstrate that you and your group members have worked on the project. You may provide notes, photographs, maps, or other related materials as a whole.

Presentation of Project-33.3 Points

Your group must present your project to the class. You will be graded on organization, information, visual aids, maps, and how well you explain/demonstrate your project to the class. Your knowledge and understanding of the topic is key and how well you articulate it.