



**FWMT 2020 Habitat Manipulation
Hybrid COURSE SYLLABUS
Spring Semester 2022**

COURSE INFORMATION

Credit Hours/Minutes: 4/5250

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

Class Meets: Thurs 8:00 am-2:00 pm / 49% Hybrid / 51% F2F

Course Reference Number (CRN): 60020

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) sturgis@southeasterntech.edu

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

Office Hours: By appointment only

Phone: 478-289-2303

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 trips 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 phones 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 local sites in the area for labs.

This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

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

Quality Food Plots by Kammermeyer, Miller, Thomas ISBN 0-9777104-1-6. All-Weather Field Notebook #350.

I will also supply any related handouts, articles, and lab materials.

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. Mechanical Techniques
2. Native Vegetation Management
3. Wildlife Food Plots
4. Prescribed Fire
5. Herbicide Application
6. Management Plans

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**

CAPSTONE EXIT EXAM

Students are expected to take a capstone exit exam at the end of the semester. This exam will cover all topics over lecture and lab materials, with a major concentration on course competencies. These competencies are listed at the end of the syllabus. Students must pass this exam with a score of 80 or higher to receive credit for the course.

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@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:Helen_Thomas@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 Assignments | 50% |
| Assignments & Discussion Boards | 10% |
| Exams (2) | 20% |
| In Field Project (Final Exam) | 10% |
| Capstone Exit Exam | 10% |

GRADING SCALE

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

FWMT 2020 Habitat Manipulation Spring Semester 2022 Lesson Plans

Note; Schedule may vary due to the weather

Hybrid work includes, but is not limited to, research & reading of the weekly habitat manipulation topics, completion of work related to the topic or lab experience, etc...

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|------------------|---|---|---|--------------------------------|
| Week of 05/16 | <p>Mechanical Techniques Chapter 1 Course Introduction Introduction to Ecology, habitat manipulation A review of various forms of manipulation and uses. Such as; mechanical techniques native vegetation management, wildlife food plots, prescribed fire, and herbicide use.</p> <p>Soil, soil properties, soil samples, soil diversity in Georgia</p> <p>Define food plots History of Quality food plots Plant Community Response Disking to promote wildlife Wildlife openings</p> | <p>Syllabus, Policies/Procedures for lab Explain project Introductions Lecture, no lab this week Discuss plans for lab</p> | <p>Read Chapter 1 in textbook Power point on soils</p> | <p>1,2,3,4,5,6 a, b, c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|---|---|--|---|--------------------------|
| Week of 05/23 | <p>Native Vegetation Management Chapter 1 Types of habitats and manipulation tactics</p> <p>What species benefit from food plots Identify native plants and crops of the SE Propose techniques to increase native plants More on soils Soil Amendments Fertilizers Timing, frequency, intensity related to plant community response Understanding Soils and Soil Fertility Wildlife Food Plots Why soil types matter?</p> | <p>Lab 1 Soil Sampling Techniques in the field on new site & Introduction to sites with manipulation tactics involved</p> <p>Review sample of various agricultural soil samples</p> | <p>Read Chapter 1 in textbook continues</p> <p>Assignment 1- chapter 1 questions on food plots</p> <p>Power point on soils</p> | <p>2,3 a, c</p> |
| Week of 05/30 Holiday on Monday 05/30, no class this day | <p>Wildlife Food Plots Chapter 4 Chapter 4 on soils Article, <i>Managing Whitetail Deer in South Carolina</i></p> <p>Soil Amendments continues Understanding Soils and Soil Fertility Review sample of various agricultural soil samples</p> <p>Perform seed beds Establish food plots</p> <p>Cool season disking to promote beneficial wildlife habitat, establish new wildlife plots for cool weather species</p> <p>Native Vegetation Management Native plants and crops of the Southeast</p> | <p>Lab 2-Plot size and land prep Cool season disking to promote beneficial wildlife habitat & developing a plan for planting wildlife plots</p> | <p>Read chapter 4, Understanding Soils and Soil Fertility , page 48</p> <p>Assignment- 2 Questions on soils</p> <p>Power point on more soil needs</p> <p>Assignment 1 Questions due</p> | <p>1,2,3 a, b, c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|------------------|--|--|--|----------------------------|
| Week of 06/06 | <p>Prescribed Fire What is a prescribed fire? Fire Ecology Fire benefits and uses Burn equipment and safety Burn plans Implement prescribed fire based on a burn plan</p> <p>Old field succession Benefits for what species?</p> | <p>Lab 3- Burn Equipment & Safety Lab</p> <p>Cool season disking to promote beneficial wildlife habitat, establish new wildlife plots for cool weather species continues</p> <p>The Nature Conservancy site</p> | <p>Chapter 4, Understanding Soils and Soil Fertility, page 48</p> <p>Read article, <i>Managing Whitetail Deer in South Carolina</i></p> <p>Power point on more soil needs</p> <p>Power point on burning</p> <p>Assignment 2 Questions Due</p> <p>Exam 1 Review</p> | <p>1,2,3,4 a, b, c</p> |
| Week of 06/13 | <p>More on Food Plots</p> <p>What is pH, acids and bases Pros and cons Fertilizers used for crops How to select fertilizer Aglime</p> <p>Chapter 3 Initial Considerations Considerations for a food plot site Habitat, species, size, & cost Chapter 5 Equipment Needs for food plots Tractor, ATV uses, disking</p> | <p>Lab 4- Review equipment needs & prep site, fertilizer application</p> <p>Cool season disking to promote beneficial wildlife habitat, establish new wildlife plots for cool weather species continues</p> <p>Project time</p> <p>Management of site</p> | <p>Read Chapter 3, Initial Considerations, page 42 Read Chapter 5 Equipment Needs, page 78</p> <p>Assignment 3- Research article on the benefits of fire for discussion, write summary</p> <p>Power point on food plots</p> <p>Exam 1</p> | <p>1,2,3,4 a, b,c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|------------------|---|---|--|------------------------------|
| Week of 06/20 | <p>More on Food Plots</p> <p>Chapter 6 Planting Methods Planting, drilling, No Till Seed selection, inoculating</p> <p>Chapter 7 Selecting Appropriate Forages Selecting the right species to plant Cool v/s warm season plants Nutrition for wildlife</p> <p>Ch. 14 Some Food Plot Species Profile Clovers, grains, grasses, legumes, brassicas, and other species to consider Wildlife Food Plots Planting Methods</p> | <p>Lab 5- Tilling, disking, & planting methods Cool season disking to promote beneficial wildlife habitat, establish new wildlife plots for cool weather species continues</p> | <p>Chapter 6 Planting Methods Page 96</p> <p>Chapter 7 Selecting Appropriate Forages, page 112</p> <p>Ch. 14 Some Food Plot Species Profiles, page 212</p> <p>Power point on food plots</p> <p>Assignment 3 Due</p> | <p>1,2,3,4,6 a, b, c</p> |
| Week of 06/27 | <p>Management Plans</p> <p>Chapter 6 Planting Methods Planting, drilling, No Till Seed selection, inoculating</p> <p>Chapter 7 Selecting Appropriate Forages Selecting the right species to plant Cool v/s warm season plants Nutrition for wildlife</p> <p>Ch. 14 Food Plot species Profiles Clovers, grains, grasses, legumes, brassicas, and other species to consider Wildlife Food Plots Planting Methods</p> | <p>Lab 6- Review some Food Plot species Profiles</p> <p>Research lab day for Project</p> <p>Management of site</p> | <p>Chapter 6 Planting Methods, page 96</p> <p>Chapter 7 Selecting Appropriate Forages, page 112</p> <p>Ch. 14 Some Food Plot Species Profiles, page 212</p> <p>Assignment 4- Questions on Chapters 6-7</p> | <p>1,2,3,6 a, b, c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|---|---|---|---|--------------------|
| Week of 07/04 Fourth of July Holiday, no class | n/a | n/a | n/a | n/a |
| Week of 07/11 | <p>Management Plans</p> <p>Chapter 2 Understanding Whitetail Deer Nutrition Deer habitats and food preferences Whitetail Deer digestive system Important Nutrients to consider</p> | <p>Lab 7- Native species manipulation techniques for deer and other game species</p> <p>Management of site</p> | <p>Chapter 2 Understanding Whitetail Deer Nutrition, page 14</p> <p>Outline for project due</p> <p>Assignment 4 Questions Due</p> <p>Review for Exam 2</p> | <p>6 a, c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|------------------|--|---|--|------------------------|
| Week of 07/18 | <p>Management Plans</p> <p>Types of Herbicides</p> <p>Ch. 10 Managing Weeds in Forage Plantings</p> <p>Notorious Weeds</p> <p>Chemical weed control</p> <p>Invasive Species Concerns</p> <p>Applying Herbicides Ch. 10 Managing Weeds in Forage Plantings</p> <p>Herbicide Application</p> <p>Notorious Weeds</p> <p>Chemical weed control</p> <p>Invasive Species Concerns</p> <p>Develop Best Management Plans for wildlife</p> <p>No chapter in textbook</p> <p>Other forms of manipulation</p> <p>Edges, corridors, invasive species control, thinning, and other forms</p> | <p>Lab 8- Other Natural Management techniques for habitat</p> <p>Management of site</p> | <p>Read articles I provide on edges, corridors, and other forms</p> <p>Assignment 5- Article summary on edges and/or corridor habitat</p> <p>Exam 2</p> | <p>1-6 a, b, c</p> |
| Week of 07/25 | <p>Management Plans</p> <p>Chapter 12 Hunting Food Plots</p> <p>Ways to manage for you species of choice</p> <p>Techniques to reduce hunting pressure</p> <p>Ethics of hunting food plots</p> <p>Discuss various management plans</p> <p>Plans of actions</p> <p>Targeting game & non-game species</p> <p>Review of all topics covered throughout course for final exam</p> | <p>Lab 9- Herbicide Labels: reading, interpretation, and use</p> <p>Managing weeds, herbicides in land management</p> <p>Review of Problematic Weeds</p> <p>Management of site</p> | <p>Chapter 10, Managing Weeds in Forage Plantings, page 150</p> <p>Chapter 12 Hunting Food Plots, page 188</p> <p>Assignment 5 Due</p> <p>In class presentation of final projects.</p> <p>Review for Final Exam</p> | <p>1-6 a, b, c</p> |

| Date/Week | Content Chapter/Lesson | Lab/field days | Assignments & Tests | Competency Area |
|------------------------|---------------------------------|----------------|------------------------|--------------------|
| 07/28-29 Final Exam | Final Exam & Capstone Exit Exam | n/a | n/a | 1- 6 a, b, c |

COMPETENCY AREAS: FWMT 2020 HABITAT MANIPULATION

1. Mechanical Techniques
2. Native Vegetation Management
3. Wildlife Food Plots
4. Prescribed Fire
5. Herbicide Application
6. Management Plans

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.

INFORMATION ON CAPSTONE EXIT EXAM (100 Points Total)

You must pass with a score of 80 or higher on this exam to receive credit for the course. The exam will be structured as follows; 65 questions in relation to competency areas in the course. Please see topics above. These questions will be in the format of true & false, multiple choice, and fill in the blank. The remaining portion will consist of short answer and discussion (critical thinking questions). There will be 10 questions in this area.

RUBRIC FOR IN FIELD PROJECT (100 Points Total)

Students are expected to conduct a field project in relation to a form of habitat manipulation. Your topic and site must be first approved by the instructor. You may use a site at Sturgis Farms and Vineyards or a local site of your choice. Topics must be related to the course competencies. You may work on this project at various times during lab hours. It must be completed and presented at the end of the semester. The grading scale are as follows;

Topic, Outline, and Plan- 33.3 Points

Students must submit a 1 page typed outline, and plan for their project. It must be neat, organized, and well written. It must give specific instructions on what you will address and accomplish with this project.

Work on Project-33.3 Points

Students will be given time throughout the semester to work on their field projects. You will receive credit for this work. You must take pictures and provide records of your progress (from beginning to end.) You must let your instructor know if you need any tools or supplies for your project. Your instructor will help you with your project if you need guidance or assistance.

Presentation of Project-33.3 Points

Students must present their in-field project to the instructor and class at the end of the semester. You must provide a 20 minute discussion about your project. You must address your topic, the form of manipulation used, what equipment was used and how, how this manipulation may impact the habitat, what species may be impacted, and the pro's and con's involved. You must express an understanding of the form of habitat manipulation used and why it is important.