



**FWMT 2020 Habitat Manipulation
COURSE SYLLABUS
Lecture/Lab Web Enhanced
Spring Semester 2016**

Course Title: Habitat Manipulation
Course Number: FWMT 2020
Credit Hours/ Minutes: 4 / 5250
Class Location: Room # 6110
Class Meets: 8:00-11:00 a.m. WR
CRN: 40254
Course Title: Habitat Manipulation

Office Hours: 11:30-12:00 WR 4:00-5:00 WR
Office Location: Room 6111 Bldg. 6
Email Address: jlehman@southeasterntech.edu
Phone: 478-289-2303
Fax Number: 478-289-2328
Tutoring Hours: As Needed

REQUIRED TEXT: Quality Food Plots by Kammermeyer, Miller, Thomas ISBN 0-9777104-1-6 Adventures in Green and Gray ISBN 0-9743579-0-1 All-Weather Field Notebook #350.

REQUIRED SUPPLIES & SOFTWARE: Pencils, paper, highlighter, field manual, boots, snake boots, muck boots, sunglasses, and hand held GPS unit

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.

MAJOR COURSE COMPETENCIES: Topics include 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. Native vegetation management
2. Wildlife food plots
3. Prescribed fire
4. Herbicide application
5. Mechanical techniques
6. Management plans

GENERAL EDUCATION CORE COMPETENCIES: STC 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.
4. The ability to utilize basic computer skills.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

STUDENT REQUIREMENTS: Students are expected to complete all work. Students are also expected to complete all tests and assignments on the dates specified. Students are responsible for policies and procedures included in the *STC Catalog*. Fish and Wildlife Management program students must earn a minimum grade of C in this course.

Students are responsible for being prepared for all labs with weather appropriate clothing. Waders or boots are to be worn in labs. Students are encouraged to have a clean, dry set of clothing with them at all times.

Clean, dry clothing may be kept in cabinet provided in storage room of FWMT lab.

SPECIAL NEEDS: *Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.*

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 advise me and make appropriate arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley (478) 289-2274 -- Vidalia Campus: Helen Thomas Room 108 (912) 538-3126.

MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...): If a student misses a test, a grade of zero will be assigned. 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. Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the test will be taken the next day, scheduled outside of regular class time. Failure to follow this procedure will result in a grade of zero.

Students are expected to have the assignment completed at the beginning of class on the date it is due. It is within the instructor's discretion to accept or reject late assignments. Any late assignments accepted will be subject to a ten-point penalty each day the assignment is late. After three class meetings, no late assignments will be accepted; a zero will be recorded.

Unannounced quizzes are subject to be given on any day. A grade of zero will be assigned for any quizzes missed. There will be no makeup of quizzes.

ACADEMIC DISHONESTY POLICY: The STC Academic Dishonesty Policy states *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 *STC Catalog and Student Handbook.*

Procedure for Academic Misconduct

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

--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.

--Second Offense--

Student is given a grade of "WF" 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.

--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 second 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: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

GRIEVANCE PROCEDURES: Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY: Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at www.southeasterntech.edu.

GRADING POLICY

Tests
Lab
Quizzes/Class Assignments
Final Exam
Total

GRADING

30%
30% A: 90-100
20% B: 80-89
20% C: 70-79
100% D: 60-69
F: 0-59

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.*

**FWMT 2020 Habitat Manipulation
SPRING SEMESTER 2016 LESSON PLAN**

Date	Chapter/Lesson	Content	Assignments & Tests Due	Comp Area
Week 1				
1/13/16 1/14/16	Course Introduction Ch. 1 Intro. To Quality Food Plots Pg. 69 Soil sampling	Syllabus, Policies/Procedures for lab Intro. To Quality Food Plots Pg. 69 Soil sampling Soil Sampling Techniques	In class assignments: Intro. To Quality Food Plots Pg. 59 Soil sampling Demonstration: soil sampling Project: Woodland Firefighter http://training.nwcg.gov/courses.html 3hr. lab 1/14/15	*2,3 **A,B,C
Holiday 1/18/16				
Week 2				
1/20/16 1/21/16	Ch. 2 Understanding WTD Nutrition Soil Amendments	Understanding WTD Nutrition Soil Amendments Timing, frequency, intensity related to plant community response Cool season disking to promote beneficial wildlife habitat	Print PPTs Ch. 1-6. In class assignments: Understanding WTD Nutrition Demonstration test 3 hr. lab	*1,2,3 **A,C,D
Week 3				
1/27/16 1/28/16	Ch. 3 Initial Considerations in Developing FPP. Soil Amendments	Initial Considerations in Developing FPP. Soil Amendments Cool season disking to promote beneficial wildlife habitat, Establish wildlife openings and bedding areas,	Review PPTs and handouts In class assignments: Initial Considerations in Developing FPP. Soil Amendments Develop management plans 3 hr. lab 1/27	*1,2,3 **A,B,C, D
Week 4				
2/3/16 2/4/16	Ch. 4 Understanding Soils and Soil Fertility Native Vegetation Management	Understanding Soils and Soil Fertility Native Vegetation Management Native plants and crops of the SE Techniques to increase native plants PPTs/handouts	In class assignments: Understanding Soils and Soil Fertility Native Vegetation Management Plant Identification Develop management plans 3 hr. lab 2/3 3 hr. lab 2/4	*1,2,3 **A,C,D
Week 5				
2/10/16 2/11/16	Ch. 4 Understanding Soils and Soil Fertility Wildlife Food Plots	Understanding Soils and Soil Fertility Wildlife Food Plots Soil amendment application PPTs/handouts	Quiz over weeks 3&4 Review PPTs and handouts Ch. 4 Understanding Soils and Soil Fertility Wildlife Food Plots Develop management plans 2 hr. lab 2/10 3 hr. lab 2/11	*1,2,3 **A,C,D

		Week 6		
2/17/16 2/18/16	Ch. 5 Equipment Needs Ch. 6 Planting Methods Wildlife Food Plots	Equipment Needs Planting Methods Wildlife Food Plots Soil Sampling, Seed bed preparation	In class assignments: Ch. 5 Equipment Needs Ch. 6 Planting Methods Wildlife Food Plots Demonstration Test: correct amount and type of crop Develop management plans 3 hr lab 2/17 3 hr lab 2/18	*1,2,3,6 **A,B,C, D
		Week 7		
2/24/16 2/25/16	Ch. 14 Food Plot species Profiles Review for Midterm	Food Plot species Profiles Review for Midterm Midterm Exam	Review PPTs and handouts for Midterm Exam Food Plot species Profiles Develop management plans Question/answer study Written Midterm exam and practicum will be given on 2/24 3 hr. lab 2/25	*1,2,3,6 **A,B,C, D
		Week 8		
3/2/16 3/3/16 Midterm	Ch. 7 Food Plot species Profiles Ch. 8 Selecting Right Mixture. Prescribed Fire	Food Plot species Profiles Selecting Right Mixture. Prescribed Fire Fire behavior and smoke dispersion	Review PPTs and handouts: Food Plot species Profiles Selecting Right Mixture. Prescribed Fire Develop management plans 3 hr. lab 3/2 3 hr. lab 3/3	*4 **A,C,D
		Week 9		
3/9/16 3/10/16	Ch. 9 Special Considerations Ch. 14 Food Plot species Profiles cont'd Prescribed Fire	Special Considerations Food Plot species Profiles cont'd Prescribed Fire Burn plans	Review PPTs and handouts: Ch. 9 Special Considerations Ch. 14 Food Plot species Profiles cont'd Prescribed Fire Develop management plans 3 hr. lab 3/9 3 hr. lab 3/10	*4 **A,B,C, D
3/14/16		Returning Student Registration		
		Week 10		
3/16/16 3/17/16	Ch. 10 Managing Weeds in Forage Plantings Prescribed Fire Applying Herbicides CD	Managing Weeds in Forage Plantings Prescribed Fire Burn Plans	Managing Weeds in Forage Plantings Prescribed Fire Develop management plans Quiz covering weeks 8,9,10 3/12 2 hr. lab 3/16 3 hr. lab 3/17	*1,2,3,4,6 **A,B,C, D
		Week 11		
3/23/16 3/24/16	Herbicide Application	Herbicide Application Labels: reading and interpreting	In class assignments: Complete burn permit application: GFC Develop management plans 3 hr. lab 3/23 3 hr. lab 3/24	*5 **A,B,C, D
SPRING BREAK 3/28/16-3/31/16				
		Week 12		
4/6/16	Ch. 10 Managing Weeds in Forage Plantings Herbicide	Managing Weeds in Forage Plantings Herbicide	Review PPTs, handouts: Managing Weeds in Forage Plantings Herbicide Application	*4,5,6 **A,B,C,

4/7/16	Application	Application Labeled uses for various herbicides in land management	Develop management plans 3 hr. lab 4/6 Complete Herbicide CD; turn in to Extension Service	D
Week 13				
4/13/16 4/14/16	Ch. 10 Managing Weeds in Forage Plantings Ch. 11 Monitoring Food Plots Herbicide Application	Managing Weeds in Forage Plantings Monitoring Food Plots Herbicide Application BMPs, application of herbicides, vegetation management	Review PPTs and handouts: Ch. 10 Managing Weeds in Forage Plantings Ch. 11 Monitoring Food Plots Herbicide Application Develop management plans 3 hr. lab 4/13 3 hr. lab 4/14	*1,2,3,5,6 **A,B,C, D
Week 14				
4/20/16 4/21/16	Management Plans	Present management plans	In class assignments Read Ch. 13 be prepared to discuss In class presentation of management plans. 3 hr. lab 4/20 3 hr. lab 4/21	*1,2,3,4,5, 6 **A,B,C, D
Week 15				
4/27/16 4/28/16	Management Plans	Present management plans Review for Final Exam Final Exam 5/4/16	In class presentation of management plans. Final Exam	*1,2,3,4,5, 6 **A,B,C, D

*** 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.
- D) The ability to utilize basic computer skills.

- THERE WILL BE A TOTAL OF 75 HOURS OF LAB.
- LABS ARE WEATHER DEPENDENT. **Students are responsible for being prepared for all labs with weather appropriate clothing. Waders or boots are to be worn in labs. Students are encouraged to have a clean, dry set of clothing with them at all times. Clean, dry clothing may be kept in cabinet provided in storage room of FWMT lab.**
- **There are a total of 16 power point presentations on Angel. Students are responsible for printing these presentations. It is suggested students print 3 slides per page as handouts. This will accommodate note taking. Each power point represents 1 chapter in your QFP book. Some chapters have been divided onto 2 PPTs.**
- **Each individual student will be given a property map. Student is to develop a 1 year and 5 year**

management plan inclusive of food plot plan, population control plan, weed I.D., herbicide recommendations and application. Management plan due beginning 4/16/13-4/25/13.

- **LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**