



**FWMT 1050 Ichthyology  
COURSE SYLLABUS  
Lecture/Lab Web Enhanced  
Summer Semester 2016**

**Course Title:** Ichthyology  
**Course Number:** FWMT 1050  
**Credit Hours/ Minutes:** 3/3000 minute  
**Class Location:** Room # 6110  
**Class Meets:** 1:00-4:00 /WR  
**CRN:** 60056

**Office Hours:** 8:00-9:00 MW 4:00-5:00 MW  
**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:** Adventures in Green and Gray ISBN 0-9743579-0-1 All-Weather Field Notebook #350.  
National Audubon Society Field Guide to Fishes ISBN 9-780375412240

**REQUIRED SUPPLIES & SOFTWARE:** Pencils, paper, highlighter, field manual, waders, and calendar. 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.

**COURSE DESCRIPTION:** This course introduces the freshwater fish species of North America. Emphasis is placed on the identification, biology, and ecology. Upon completion students should be able to recognize the common freshwater fish of Georgia and demonstrate knowledge of the biology and ecology.

**MAJOR COURSE COMPETENCIES:** Topics include taxonomy, natural history and habitat, form and function, sensory systems, locomotion and feeding, juveniles, adults, age, growth, behavior and ecology.

**PREREQUISITE(S):** None

**COURSE OUTLINE:**

1. Identify freshwater fish of Georgia
2. Classify the species and habitat of endemic fish of Georgia
3. Describe skeletons, skin, scales and fins
4. Describe anatomy of fish
5. Describe vision system, chemical senses, auditory, mechanical and electrical systems
6. Functional morphology of swimming and feeding
7. Spawning habits

**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.

**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)** 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 responsible for policies and procedures included in the *STC E-Catalog*

**STUDENT REQUIREMENTS:** 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. A ten point penalty will be assessed for each day an assignment is late. Three days after the due date, assignments will NOT 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. Missed labs will be recorded as a zero.

**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](http://www.southeasterntech.edu).

**GRADING POLICY**

Tests	30%
Lab	30%
Quizzes/Class Assignments	20%
Final Exam	20%
Total	100%

**GRADING SCALE**

A: 90-100
B: 80-89
C: 70-79
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 1050 Ichthyology  
SUMMER SEMESTER 2016 LESSON PLAN**

<b>Date</b>	<b>Chap / Less</b>	<b>Content</b>	<b>Assignments &amp; Tests Due</b>	<b>Comp Area</b>
<b>Week 1</b>				
5/18/16 5/19/16	Taxonomy	Syllabus, Policies/Procedures for lab Fish Identification, Species development Handouts/PPTs	Study fish I.D. handouts/ PPTs	*1 **a,b,c,
5/25/16 5/26/16	Natural History/Habitat	Distribution of species. Quiz over fish I.D. Species classification/habitat	In class assignment, classification handout	*2 **a,c,
<b>MEMORIAL DAY HOLIDAY 5/30/16</b>				
<b>Week 2</b>				
6/1/16	Natural History/Habitat	Species diversity PPT Quiz over Natural History	Species diversity handout	*2 **a,b,c,
6/2/16	Form and Function	Skeleton, skin, scales, fins	In class labeling exercises	*3 **a,c
<b>Week 3</b>				
6/8/16	Form and Function	Mouth, tooth types, feeding Mid Term Review	In class labeling exercises	*3 **a,c
6/9/16	Form and Function	Gill structures, aquatic respiration Mid Term Exam	In class labeling exercises Mid Term Review	*3 **a,b,c,
<b>Week 4</b>				
6/15/16	Sensory System	Vision/ Snell's window PPTs/handouts	Study PPTs, handouts In class labeling exercises	*4 **a,c
6/16/16	Sensory System	Chemical senses, lateral line, rite mirable	In class labeling exercises PPTs, handouts	*4 **a,c
<b>Week 5</b>				
6/22/16	Sensory System	Auditory, mechanical, electrical systems PPTs, handouts	In class labeling exercises	*4 **a,c,

6/23/16	Locomotion	Swimming/fins Quiz over Sensory System	Discussion, labeling exercises	*5 **a,c
<b>Week 6</b>				
6/29/16	Locomotion	Feeding morphology	Discuss Predator/Prey fishes 2 hr. lab 10/31/2013	*5 **a,c
6/30/16	Ageing	Immature, underdeveloped physiology Quiz over Locomotion	Study handouts	*6 **a,b,c,
<b>Holiday July 4-July 7 2016</b>				
<b>Week 7</b>				
7/13/16	Ageing	Spawning adults Young of Year	Identify spawning beds/habits Identify YOY	*6 **a,b,c,
<b>Week 8</b>				
7/14/16	Behavior and Ecology	Quiz over ageing Predatory behaviors Prey behaviors	Describe predator/prey behaviors	*7 **a,c
<b>Week 9</b>				
7/20/16 7/21/16	Behavior and Ecology	Social behaviors and reproduction Cycles of activity Review for final exam Final Exam	Describe courtship behaviors, nest building, nest protection Describe cold water feeding activities Describe warm water feeding/ reproduction activities	*4,5,6,7 **a,b,c,

**\* Competency Areas: FWMT 1050 Ichthyology**

1. Taxonomy
2. Natural History and Habitat
3. Form and function
4. Sensory Systems
5. Locomotion and Feeding
6. Juveniles, Adults, Age, Growth
7. Behavior and Ecology

**\*\*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.

- THERE WILL BE A TOTAL OF 30 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.
- There are a total of 16 power point presentations on Blackboard. Students are responsible for printing these presentations. It is suggested students print 3 slides per page as handouts. This will accommodate note taking.
- **LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**