



**FWMT 1050 Ichthyology  
COURSE SYLLABUS  
Lecture/Lab Web Enhanced  
Spring 2017**

**Course Title:** Ichthyology  
**Course Number:** FWMT 1050  
**Credit Hours/ Minutes:** 3/3000 minute  
**Class Location:** Room # 6110  
**Class Meets:** W 1:00-4:20 p.m.  
**CRN:** 40183

**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

**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:

- 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.

**STUDENT REQUIREMENTS:** Students are responsible for policies and procedures included in the *STC E-Catalog*. **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.**

**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 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.

**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 Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 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. Helen Thomas Room 108 (912) 538-3126. [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu).

**WITHDRAWAL PROCEDURE:** Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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 accessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

**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.

**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  
Lab  
Quizzes/Class Assignments  
Final Exam  
Total

**GRADING**

~~30%~~ **SCALE**  
90-100  
20% **B:** 80-89  
20% **C:** 70-79  
10% **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  
SPRING SEMESTER 2017 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>				
1/11/17	Taxonomy	Syllabus, Policies/Procedures for lab Fish Identification, Species development Handouts/PPTs	Study fish I.D. handouts/ PPTs	*1 **a,b,c
<b>Week 2</b>				
1/18/17	Natural History/Habitat	Distribution of species. Quiz over fish I.D. Species classification/habitat	In class assignment, classification handout	*2 **a,c
<b>Week 3</b>				
1/25/17	Natural History/Habitat	Species diversity PPT Quiz over Natural History	Species diversity handout	*2 **a,b,c
<b>Week 4</b>				
2/1/17	Form and Function	Skeleton, skin, scales, fins	In class labeling exercises	*3 **a,c
<b>Week 5</b>				
2/8/17	Form and Function	Mouth, tooth types, feeding	In class labeling exercises	*3 **a,c
<b>Week 6</b>				
2/15/17	Form and Function	Gill structures, aquatic respiration Mid Term Review Mid Term Exam	In class labeling exercises Mid Term Review	*3 **a,b,c
<b>Week 7</b>				
2/22/17	Sensory System	Vision/ Snell's window PPTs/handouts	Study PPTs, handouts In class labeling exercises	*4 **a,c
<b>Week 8</b>				
3/1/17	Sensory System	Chemical senses, lateral line, rite mirable	In class labeling exercises PPTs, handouts	*4 **a,c

<b>Week 9</b>				
3/8/17	Sensory System	Auditory, mechanical, electrical systems PPTs, handouts Quiz over weeks 7,8,9	In class labeling exercises	*4 **a,c
<b>Week 10</b>				
3/15/17	Locomotion	Swimming/fins	Discussion, labeling exercises	*5 **a,c
<b>Week 11</b>				
3/22/17	Locomotion	Feeding morphology	Discuss Predator/Prey fishes	*5 **a,c
<b>Week 12</b>				
3/29/17	Ageing	Immature, underdeveloped physiology	Study handouts	*6 **a,b,c
<b>Week 13</b>				
4/5/17	Ageing	Spawning adults Young of Year	Identify spawning beds/habits Identify YOY	*6 **a,b,c
<b>Week 14</b>				
4/12/17	Behavior and Ecology	Quiz over ageing 11/19/2013 Predatory behaviors Prey behaviors	Describe predator/prey behaviors	*7 **a,c
<b>Week 15</b>				
4/19/17 4/26/17	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
<b>SEMESTER ENDS 4/24/17</b>				

**\* 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. 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.**
- Power point presentations will be placed on Blackboard. Students are responsible for studying these power points. Notifications and announcements will be placed on Blackboard. Students are responsible for checking Blackboard daily.
- **LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**