



**TENTATIVE—SUBJECT TO CHANGE**  
**Fish & Wildlife Management (FWMT)**  
**FWMT 1050 Ichthyology**  
**COURSE SYLLABUS**  
**Summer Semester 2021 (202116)**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/3000

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

Class Meets: TH, 9:15 a.m.-3:35 p.m.

Course Reference Number (CRN): 60178

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Sherry C. Sturgis

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

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

Office Hours: By appointment only

Phone: Office 478-289-2303, Cell (912-682-2376, text me first please)

Fax Number: 478-289-2328

Tutoring Hours: By appointment only

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**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](https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf) (<https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf>).

**REQUIRED TEXT**

All-Weather Field Notebook #350. National Audubon Society Field Guide to Fishes ISBN 9-780375412240

**REQUIRED SUPPLIES & SOFTWARE**

Pencils, paper, and access to computer with MS 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 course introduces the freshwater fish species of North America. Emphasis will be 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.

## COURSE OUTLINE

- Identification of common freshwater species
- Taxonomy
- Biology of species
- Habitat and Ecology of species
- Species of concern

**PREREQUISITE(S):** NONE

## 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.

## COVID-19 MASK REQUIREMENT

Masks or face coverings must be worn at all times while on the campus of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

## COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

| <b>COVID-19 Key Symptoms</b>  |
|---|
| Fever or felt feverish  |
| Cough: new or worsening, not attributed to another health condition |
| Shortness of breath, not attributed to another health condition     |
| New loss of taste or smell  |

| <b>COVID-19 Key Symptoms</b>   |
|--|
| Chills; Repeated shaking with chills   |
| Sore throat, not attributed to another health condition  |
| Muscle pain, not attributed to another health condition or exercise  |
| Headache, not attributed to another health condition   |
| Diarrhea (unless due to known cause)   |
| <b>In the past 14 days, if you:</b>  |
| Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s). |

### **COVID-19 SELF-REPORTING REQUIREMENT**

Students, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using the [COVID 19 Health Reporting Form https://bit.ly/2Xq4g0f](https://bit.ly/2Xq4g0f). Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](mailto:swaters@southeasterntech.edu), Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu), 912-538-3195.

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

Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto: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.

Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a “W” for the course.

Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a “WP” (Withdrawn Passing) or “WF” (Withdrawn Failing) for the semester.

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.

## **EXIT EXAM**

There is no exit exam for this course.

## **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

**No makeup labs will be available.** 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 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. No make-up exams are allowed.** Students are expected to complete all work.

## **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:

|   |   |
|---|---|
| <b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b> | <b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b> |
| Helen Thomas, Special Needs Specialist<br>Vidalia Campus  | Lanie Jonas, Director of Human Resources<br>Vidalia Campus                                      |

|  |   |
|--|---|
| <b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>  | <b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>   |
| 3001 East 1 <sup>st</sup> Street, Vidalia<br>Office 165 Phone: 912-538-3126<br>Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a><br><a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a> | 3001 East 1 <sup>st</sup> Street, Vidalia<br>Office 138B Phone: 912-538-3230<br>Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a><br><a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a> |

### 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 BannerWeb 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 |
|--|------------|
| Exams                                  | 30%        |
| Assignments                            | 10%        |
| Labs                                   | 30%        |
| Final Exam                             | 20%        |
| Discussion Project (species of choice) | 10%        |

### GRADING SCALE

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

**FISH & WILDLIFE MANAGEMENT**  
**FWMT 1050 Ichthyology**  
**Summer Semester 2021 Lesson Plan**

| <b>Date/Week</b>                          | <b>Chapter/Lesson</b>                                      | <b>Labs/field days</b>  | <b>Assignments</b>  | <b>Competency Area</b> |
|---|--|---|---|------------------------|
| Week 1<br>May 17<br>First week of classes | Intro to fish<br>Taxonomy<br>3 groups fish                 | Syllabus, Policies/Procedures for lab<br>n/a  | Review & study<br>Handouts/PowerPoints (PPTs)<br>n/a  | 1<br>a, b, c           |
| Week 2<br>May 24                          | Natural History/Habitat<br>Distribution of species         | <b>Taxonomy shark handout</b><br><b>Coral Seas video, hagfish, lamprey Videos</b><br><b>Review for Exam 1</b> | Review & study<br>Handouts/PowerPoints (PPTs)<br><b>In class taxonomy handout</b>   | 2<br>a, c              |
| Week 3<br>May 31                          | Natural History/Habitat<br>Species diversity<br>GA species | <b>Trapping/fishing lab- ID species Exam I</b>  | Review & study<br>Handouts/PowerPoints (PPTs)<br>Species diversity handout (booklet)<br><b>Coral seas handout with film</b> | 2<br>a, b, c           |
| Week 4<br>June 7                          | Form and Function  | <b>Fish dissection lab-external</b><br><br>Skeleton, skin, scales, fins                                       | Review & study<br>Handouts/PowerPoints (PPTs)   | 3<br>a, c              |
| Week 5<br>June 14                         | Form and Function  | Mouth, tooth types, feeding<br><b>Trip to Hatchery</b><br><b>Review for Exam 2</b>                            | Review & study<br>Handouts/PowerPoints (PPTs)<br><b>Review of fish ID from hatchery</b>                                     | 3<br>a, c              |
| Week 6<br>June 21                         | Form and Function<br>Sensory System                        | Gill structures, aquatic respiration, vision<br><b>Fish dissection lab-internal</b><br><b>Exam 2</b>          | Review & study<br>Handouts/PowerPoints (PPTs)   | 3<br>a, b, c           |

|   |   |   |  |                              |
|---|---|---|--|------------------------------|
|   |   |   |  |                              |
| <p>Week 7<br/>June 28<br/>June 28<sup>th</sup><br/><b>Last day to withdraw without academic penalty</b></p>                       | Sensory System                                    | <p><b>Fish dissection lab-internal</b><br/>Vision/ Snell's window, chemical senses, lateral line</p>  | <p>Review &amp; study<br/>Handouts/PowerPoints (PPTs)<br/><b>Unusual fish species assignment</b><br/><br/><b>Projects</b></p>  | <p>4<br/>a, c</p>            |
| <p>Week 8<br/>July 5-8<br/><b>Summer Break</b></p>  | n/a   | n/a   | n/a  | n/a                          |
| <p>Week 9<br/>July 12</p>   | <p>Locomotion<br/>Ageing<br/>Feeding behavior</p> | <p>Auditory, mechanical, electrical systems<br/>Swimming/fins<br/><b>Fish sampling lab</b><br/><b>Species ID</b><br/><b>Review for Exam 3</b></p>               | <p>Review &amp; study<br/>Handouts/PowerPoints (PPTs)<br/><b>Invasive fish species assignment</b><br/><br/><b>Projects</b></p> | <p>4<br/>a, c</p>            |
| <p>Week 10<br/>July 19</p>  | <b>Review for Final Exam</b>                      | <p>Feeding morphology<br/>Predator &amp; prey behaviors<br/>Behavior &amp; Ecology<br/><b>Species ID</b><br/><b>Review for Final Exam</b><br/><b>Exam 3</b></p> | <p>Review &amp; study<br/>Handouts/PowerPoints (PPTs)<br/><br/><b>Projects due</b></p>   | <p>5<br/>a, c</p>            |
| <p>Week 11<br/>July 26<br/><b>Full term ends</b><br/><b>July 27-28</b><br/><b>Finals Week</b><br/><b>Summer Semester ends</b></p> | <b>Final Exam</b>                                 | <b>Final Exam</b>   | <b>Final Exam</b>  | <p>1,2,3,4,5<br/>a, b, c</p> |

## **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.
- **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.
  - PowerPoint presentations will be placed on Blackboard. Students are responsible for studying these PowerPoints. Notifications and announcements will be placed on Blackboard. Students are responsible for checking Blackboard daily.
  - **LESSON PLAN SUBJECT TO CHANGE AT INSTRUCTOR'S DISCRETION**