



## Early Childhood Math and Science--ECCE 2116 COURSE SYLLABUS Fall Semester 201712

Semester: Fall 201712  
Course Title: ECCE Math and Science  
Course Number: ECCE 2116  
Credit Hours/ Minutes: 3 / 3000  
Class Location: Room # 2125  
Class Meets: M & W 11:15-12:30  
40% On line/60% In Class  
CRN: 20069  
Preferred Method of Contact:  
kwilson@southeasterntech.edu

Instructor: Kay Wilson  
Email Address: [kwilson@southeasterntech.edu](mailto:kwilson@southeasterntech.edu)  
Office Location: Building 2 2126  
Office Hours: MW 2:30-4:30 T 1:00-4:30 R 9:00-12:00  
Phone: 478-289-2213  
Fax Number: 478-289-2214

**REQUIRED TEXT:** Math and Science for Young Children-8<sup>th</sup> ED. ISBN 1-4180-0149-X

**REQUIRED SUPPLIES & SOFTWARE:** Notebook, paper, pen/pencil. Students will be conducting learning activities, therefore they will need supplies such as paper, glue, markers, etc. They type and cost of supplies varies per semester and per activity. Students will be required to wear a minimum of a scrub top while in the lab. Note: Although students can use their smart phones and tablets to access the online portion of their course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither BLACKBOARD nor GVTC provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to complete the online portion of the course.

**COURSE DESCRIPTION:** Presents the process of introducing math and science concepts to young children. Includes planning and implementation of developmentally appropriate activities and development of math and science materials, media and methods. Topics include inquiry approach to learning; cognitive stages and developmental processes in developing math and science concepts with children birth to five; cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades; planning math and science activities; and development of math and science materials, media and methods

### **MAJOR COURSE COMPETENCIES:**

Topics include:

1. Inquiry approach to learning
2. Cognitive stages and developmental processes in developing math and science concepts with children birth to five
3. Cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades,
4. Planning math and science activities
5. Development of math and science materials, media, and methods .

**PREREQUISITE(S): ECCE 1103**

**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.

**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.

The instructor is 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, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.

**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 advise me and make appropriate arrangements with the Special Needs Office. Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

**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 assessed 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, unannounced quiz, or assignment, a grade of zero will be assigned. There will be no make-up work. 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. Any zeros recorded will be included in the final score calculation.

**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**

25%---Tests  
35%---Class Assignments  
40%---Activities and File Folders

**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.*

**ECCE 2116 Math and Science**

**LESSON PLAN**

**\*HY=Hybrid assignments    IC=In Class Assignments**

Date	Topic	Assignment	COMP.
Week 1 Aug 15-22 Work is due by Mon	Ch. 1-How Concepts Develop IC-Demonstrations/Discussion HY-Lecture Notes/Research	HY-View Conservation Tasks IC-Review Conservation Tasks HY-Lecture notes	*1, 2 ** a,b,
Week 2 Aug 22-Aug 29 Work is due by Mon	Ch 2-Basics of Science, Engineering, and Technology IC-Demonstrations/Discussion HY-Lecture Notes/Research	IC-Conservation Tasks Due HY-download NAEYC's position statement on Math and Science HY-review questions of NAEYC's position statement HY-Lecture notes	*1, 2 ** a,b,c
Week 3 Aug 29-Sept 6 Work is due by Wed.	Ch 3-Pre-Kindergarten and Kindergarten Concepts and Skills IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-download the Ga. Performance Standards for grades K-3 HY-Lecture notes IC-One on one Correspondence HY-Test 1-2	*1, 2, 3, 4 5 ** a,b,c
Week 4 Sept 6-12 Work is due by Mon	Ch 4-More Pre-Kindergarten Concepts and Skills IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-Lecture notes IC-Student Presentation-Parts and Wholes HY-Test-Chapter 3	*2, 3, 4,5 ** a,b,c
Week 5 Sept 12-19 Work is due by Mon	Ch 5-Pre-K-K Ordering, Measurement, and Data Collecting IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-Lecture notes IC-Lab Activity-Measuring IC-Lab Activity-Time HY-Test-Chapter 4	*2, 3, 4,5 ** a,b,c
Week 6 Sept 19-Sept 26 Work is due by Mon	Ch 6-Intergrating Curriculum IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-lecture notes IC-Student Presentation-Thematic with food IC Activity-Concepts Words File Folders due for Operations with Whole Numbers; Place Value; Classifying or Comparing HY-Test-Chapter 5	*2, 3, 4, 5 ** a,b,c
Week 7 Sept 26-Oct 3 Work is due by Mon	Ch 7-Transistioning from Preschool to Kindergarten IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-Lecture notes IC-Student Presentation-Naturalistic Activities Lab Activity-Shapes HY-Test-Chapter 6	*2, 3, 4, 5 ** a,b,c
Week 8 Oct 3-10 Work is due by Mon	Ch 8-Whole Number Operations, Patterns and Fractions IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-lecture notes IC-Student Presentation-Patterns IC- Activity-Part/Whole File Folders due for Geometry; Part/Whole; and Fractions HY-Test-Chapter 7	*2, 3, 4, 5 ** a,b,c
Week 9 Oct 10-17 Work is due by Mon	Ch 9-Place Value, Geometry, Analysis and Measurements IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	HY-lecture notes IC-Student Presentation-Geometry IC- Activity-Legos HY-Test-Chapter 8	*2, 3, 4, 5 ** a,b,c
Week 10 Oct 17-24 is Work is due by Mon	Ch 10-Primary Science, Life Science and Physical Science IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests	IC-Math Classroom Center HY-lecture notes IC- Activity-Life Science HY-Test-Chapter 9	*2, 3, 4, 5 ** a,b,c

<p>Week 11 Oct 24-31 Work is due by Mon</p>	<p>Ch 11- Earth and Space Science IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests</p>	<p>HY-lecture notes IC- Rocks and Temperature File Folders due for Pattern OR Ordering; Graph HY-Test-Chapter 10</p>	<p>*2, 3, 4, 5 ** a,b,c</p>
<p>Week 12 Oct 31- Nov 7 Work is due by Mon</p>	<p>Ch 12-Materials and Resources in the Classroom and Home IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests</p>	<p>HY-Critter Report research HY-lecture notes IC Activity-Math Materials File Folder due for Measuring; Time HY-Test-Chapter 11</p>	<p>*2, 3, 4, 5 ** a,b,c</p>
<p>Week 13 Nov 7-14 Work is due by Mon</p>	<p>Ch 12-Family Involvement IC-Demonstrations/Discussion HY-Lecture Notes/Research/Tests</p>	<p>IC-Critter Reports Due HY-Lecture notes IC-Student Presentation-Science Materials IC- Activity-Physical Science HY-Test-Chapter 12</p>	<p>*2, 3, 4, 5 ** a,b,c</p>
<p>Week 14 &amp; 15  Nov 14-28 Work is due by Wed</p>	<p>Ch 12-Standards</p>	<p>IC-Science Classroom Center HY-lecture notes IC-Student Presentation-Blocks IC-Student Presentation-Media and Science IC- Activity- Woodworking</p>	<p>*2, 3, 4, 5 ** a,b,c</p>

**\*Competency Areas:**

1. Inquiry approach to learning
2. Cognitive stages and developmental processes in developing math and science concepts with children birth to five
3. Cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades,
4. Planning math and science activities
5. Development of math and science materials, media, and methods

**\*\*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.

**\*\*Disclaimer Statements\*\***

**\*\*\*\*Instructor reserves the right to change the syllabus and/or lesson plan as necessary.\*\*\*\***

**\*\*\*\*The official copy of the syllabus is located inside the student's online course shell or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.\*\*\*\***