



SCIENCE INQUIRY I - INTEGRATED SCIENCE 351 601 SYLLABUS

Tuesday 5:00 pm - 7:29 pm - Meets 1/13/2014 - 5/9/2014

Room 110 - TAMU-Commerce Midlothian Campus

Instructor: Mrs. Evelyn Restivo, 817-832-5143; erestivo2001@yahoo.com

Evelyn_Restivo@TAMU-Commerce.edu

Spring 2014

COURSE INFORMATION

Optional Text: Teaching Children Science A Discovery Approach, 6th Edition, 2004 Joseph Abruscato, Allyn & Bacon

Course Description: Inquiry: Knowledge and Skills of Science

Science topics and themes are chosen to emphasize broad concepts highlighted in the Texas and National Science Standards. Topics will include conservation laws, systems in nature, the nature of scientific inquiry, and presentation of scientific information. The course will be taught using an inquiry based format, modeling instructional techniques proven effective by current educational research.

COURSE REQUIREMENTS

Course Goals: To provide a preliminary overview of science content and laboratory skills that will help prepare pre-service elementary teachers to teach science concepts as inquiry. Topics are correlated with Texas Essential Knowledge and Skills objectives, and with elementary science teacher competencies that will provide preparation to pass the science section of the certification exam.

Course Requirements: To be successful in IS 351 you must attend all classes, pay attention, participate in discussions, follow verbal and written instructions, complete lab activities and lab reports properly, research assigned topics and prepare for testing. You need to become familiar with the TEKS, in abbreviated form for class, and in detail at the TEA web site. www.tea.state.tx.us. You will also need to become familiar with Safety Regulations from Flinn Scientific at www.flinnsci.com. Labs will require lined paper, unlined paper and colored pencils.

Grading Scale: (100-90% = A; 89-80% = B; 79-70% = C; etc.)

Lab/Reports Average	50%
Final Exam	40%
Attendance/Participation	10%

IS 351 COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures:

Attendance will be taken by means of a sign in sheet each class meeting. Missing two labs could be grounds for removal from class. The first portion of each class will review the previous concept and present an overview of the scheduled topic(s). The second portion of each class will be the lab activity for that topic. Days marked with * will have two labs scheduled in one session. Prime time for a break, if you need one, will be immediately after lab directions before you begin the lab or between labs.

Lab reports will be done individually and/or as a group and will be due at the end of each class unless otherwise stated. Labs will not be made up and all missed labs will be zeros. Prior notification and medical documentation may provide an excused absence at the discretion of the instructor. The Final Exam might be able to be rescheduled if the instructor is notified prior to the date, the absence can be documented as a medical emergency and an alternate time can be arranged for the exam.

No food or drinks are allowed in the lab room. Please remember to mute or turn off all cell phones/pagers or any electronic device that could disrupt the class. No cell phones are to be used for any purpose during class without the approval of the instructor.

For a complete listing of TAMU-Commerce Procedures got to
www.tamu-commerce.edu/administration/

University Specific Procedures:

ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

StudentDisabilityServices@tamu-commerce.edu

[Student Disability Resources & Services](#)

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook*).

IS 351 COURSE OUTLINE / CALENDAR/SCHEDULE

M 6/3* Welcome, Syllabus, Schedule, TEKS, Safety, “The Science Model” Objects in a Bag
“Primarily Bears on the Go” learning colors and number combinations
“Stack and Track Bears” learning organization, assortment, distribution, non-traditional measurement and graphing

W 6/5 Recycle Resources, and Conservation in our Environment

M 6/10 **Class Will Not Meet;** Position and Direction of Motion: Speed, Velocity, Acceleration, Free Fall and Air Resistance is an at Home Lab, Due W 6/12

W 6/12* Whole, Parts, and Parts of Parts: “Diary of a Worm”
What has Eight Legs? “Diary of a Spider”

M 6/17* Determining the differences between Living and Non-living;
Measurement: Length, Volume, Mass & Temperature

W 6/19 Classification Traits and Forensic Chemistry

M 6/24 Color Mixing and Pigments: “Mouse Paint”

W 6/26 **Class Will Not Meet;** States of Matter Lab Activity is an at Home Lab, Due W 7/3

W 7/3 FINAL EXAM

“This document contains information which may be changed at the discretion of the instructor.”