SCIENCE INQUIRY I - INTEGRATED SCIENCE 351 610 SYLLABUS
Tuesday: 4:30-7:10 pm; Room 110 - TAMU-Commerce Midlothian Campus
Instructor: Mrs. Evelyn Restivo, 817-832-5143; erestivo2001@yahoo.com
Fall 2012

IS 351 COURSE INFORMATION


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.

IS 351 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 on the TExES 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 for projects, 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 (drop lowest grade) 40%
Project Average 20%
Mid Term and Final Exam Average 30%
Attendance/Participation 10%
Course Specific Procedures:
Attendance will be taken by means of a sign in sheet each class meeting. Missing three 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. The second portion of each class will be the lab activity for that topic. Prime time for a break, if you need one, will be immediately after lab directions before you begin the lab.

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, the lowest lab grade will be dropped, and all missed labs will be zeros. Prior notification and medical documentation may provide an excused second absence for lab at the discretion of the instructor. Projects are due on the date listed, if you are absent your project is still due on that due date. Exams 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. **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. **No cell phones will be allowed during testing for any reason.**

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).
8/28 Welcome, Syllabus, Schedule, TEKS, Safety, “The Science Model”

9/4 Primarily Bears on the Go, learning colors and number combinations

9/11 Stack and Track Bears, learning organization, assortment, distribution, non-traditional measurement and graphing

9/18 Measurement: Length, Volume, Mass & Temperature

9/25 Determining the differences between Living and Non-living

10/2 Natural Cycles, Recycle Resources, and Conservation in our Environment

10/9 MID TERM EXAM; Research Project Assigned

10/16 Whole, Parts, and Parts of Parts: “Diary of a Worm Research Project”

10/23 Research Project: Independent outside of class project

Class will not meet

10/30 Position and Direction of Motion; Speed, Velocity, Acceleration & Free Fall

11/6 Classification Traits and Forensic Chemistry

11/13 Research Project DUE (class presentations)

11/20 Thanksgiving Holiday: Class will not meet

11/27 Color Mixing and Pigments: “Mouse Paint”

12/4 FINAL EXAM

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