



SCIENCE INQUIRY II - INTEGRATED SCIENCE 352 610 SYLLABUS

Tuesday 7:30-10:0 pm 8/25 through 12/12

Room 110 - TAMU-Commerce Midlothian Campus

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

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Summer 2013

COURSE INFORMATION

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

Course Description: Science Inquiry II: Science topics and themes are chosen to emphasize broad concepts highlighted in the Texas and National Science Standards. Topics will include fundamental physical and chemical standards, processes and reactions, energy transfer in systems, and the nature of scientific inquiry. 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 continuation 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 Information: To be successful in IS 352 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 352 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 other 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 352 COURSE OUTLINE / CALENDAR/SCHEDULE

T 6/4* Welcome, Syllabus, Schedule, TEKS/TAKS, Safety,
“The Science Model” Observation Techniques
Measurement; Observing, Investigating, Analyzing &
Interpreting Data: The Burning Candle

R 6/6 **Class Will Not Meet;** Non-Traditional Graphing Lab is an at
Home Lab, Due T 6/11

T 6/11 Atomic Structure Models and an overview of the Periodic Table

R 6/13* Color Indicators and Chromatography
Energy Transfer in Biology and Chemistry

T 6/18 Chemical and Physical Properties and Reactions

R 6/20* Geology has its Faults
Galileo and Newton: Force and Motion

T 6/25 Energy Transfer in Geology and Physics: Wave Motion

R 6/27 **Class Will Not Meet;** Fluids and Surface Tension Lab is an at
Home Lab, Due T 7/2

T 7/2 FINAL EXAM

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