
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 as a modified hybrid using an inquiry based format, modeling instructional techniques proven effective by current educational research.

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%
Project/Final Exam Average 40%
Attendance/Participation 10%
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. As a modified hybrid course some labs and the project will be done outside of class. 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 Project is due the date listed. 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 and never during an exam.

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).
M 6/8*  What’s In Your Name?; Welcome, Syllabus, Schedule, TEKS, Laboratory Regulations; Safety; PPREAC; 5 “E” Notes; About Science; Thinking Maps; Metric Measurement; The Periodic Table; and “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, probability, non-traditional measurement and graphing

W 6/10*  Bears Survival Discussion; Measurement: Length, Volume, Mass and Temperature Lab; Determining the Differences between Living and Non-living; Cycles and Conservation in our Environment Lab; Assign Position and Direction of Motion: Speed, Velocity, Acceleration, Free Fall and Air Resistance at Home Lab (Due M 6/22); Project Assignment (Due M 6/29)

M 6/15  Class Will Not Meet; at Home Position and Direction of Motion: Speed, Velocity, Acceleration, Free Fall and Air Resistance Lab (Due M 6/22) and Project Work Time (Due M 6/29)

W 6/17  Class Will Not Meet; at Home Position and Direction of Motion: Speed, Velocity, Acceleration, Free Fall and Air Resistance Lab (Due M 6/22) and Project Work Time (Due M 6/29)

M 6/22*  Position and Direction of Motion: Speed, Velocity, Acceleration, Free Fall and Air Resistance Lab Due; Measurement Discussion; Living and Non with Cycles Discussion; 3-2-1 at Home Science and Children Article Assignment (Due M 6/29); Whole, Parts, and Parts of Parts: “Diary of a Worm” Lab; What has Eight Legs? “Diary of a Spider” Lab

W 6/24  Class Will Not Meet; 3-2-1 at Home Science and Children Article Assignment Work Time (Due M 6/29) and Project Work Time (Due M 6/29)

M 6/29*  Project Due; 3-2-1 at Home Science and Children Article Assignment Due; Project Due; Taxonomy, Classification Traits and Forensic Chemistry Lab; Color Mixing and Pigments: “Mouse Paint” Lab

W 7/1  3-2-1 at Home Science and Children Article Discussion; Project Discussion; Taxonomy, Classification Traits and Forensic Chemistry Lab Discussion; Color Mixing and Pigments: “Mouse Paint” Lab Discussion and FINAL EXAM

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