Integrated Science 1317
COURSE SYLLABUS: Fall 2019

Instructor: Dale Loughmiller, Adjunct Professor
Office Location: Online via E-Mail
Office Hours: Online
Office Phone: (903) 886-5488
University Email Address: Dale.Loughmiller@tamuc.edu

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

The recommended (not required) text is:

Conceptual Integrated Science, 2nd Edition, by Hewitt, Lyons, Suchocki, & Yeh, ISBN# 13: 978-0-321-81850-8.

Students will need computer and printer access. A calculator is recommended for each student.

Course Description

This is a University Studies science course. The interdisciplinary application of scientific principles is emphasized. The scientific principles developed in this course primarily include chemistry, Earth science, and other topics typically covered in physical science. Connections and applications of these principles to the other sciences are examined.

Science is an interesting and diverse topic; it is the instructor's intent to demonstrate that learning can be enjoyable as well as educational. Science is what allows mankind to function in a productive manner.

Student Learning Outcomes

1. Students will gain a better understanding of physical science concepts.

2. Students will better understand scientific processes and test for further scientific knowledge.

3. Students will understand the conceptual differences between facts, theories, and laws.

4. Students will be able to compare the separate science disciplines and make integrative connections.

COURSE REQUIREMENTS

Instructional / Methods / Activities Assessments

The instructional methods for this course being online will vary with the topic being explored. Each week will require assignments to be completed online often including some combination of: discussion postings, short papers, online simulations and virtual labs, quizzes, and test.

Lack of participation may be considered the same as a lack of attendance and be grounds for being dropped from the course.

Assignments may be added, dropped, or substituted during the course of the semester.

GRADING

Tests	30%	A = 90+
Quizzes*	20%	B = 80-89
Discussion Posts	20%	C = 70-79
Labs and Other Assignments	30%	D = 60-69
		F = 59 or less

* Lowest quiz will be dropped.
Plagiarism or cheating will not be tolerated for any reason and violation will provide the individual(s) involved with a failing grade and a referral to the dean's office for further disciplinary action.

TECHNOLOGY REQUIREMENTS

Students will need computer access to complete various assignments. Throughout this course, students will be using tools and technology to complete assignments and virtual labs.

Important: Being an online course there is an assumption that participating students have the basic computer skills needed to complete online assignments in eCollege. In addition, a working (virus free) computer and a stable internet connection is required for this course and also assumed to be present. The student is responsible for completing all assignments on time and any problems with student owned computer equipment and/or internet connection will not be taken into consideration for missing or late assignments.

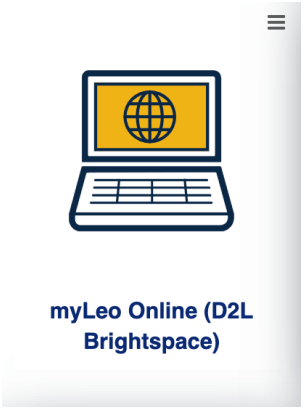
ACCESS AND NAVIGATION

D2L Access and Log in Information

This course will be facilitated using myLeoOnline (D2L), the Learning Management System used by Texas A&M University-Commerce.

To get started with the course:

- Go to: http://www.tamuc.edu/myleo.aspx
- Log in
- Click 'Apps'
- On Apps page click the icon for myLeo Online (D2L Brightspace) as shown to the right



Note that the university is now requiring two-factor authentication via the DUO Authetication system. See the DUO FAQ for more information (click here).

Course Navigation

All aspects of this course, including presentations, assignments, readings, and exams will be completed / turned in through myLeo Online. Your grades will also be available in myLeo Online.

Campus Concealed Carry

Texas Senate Bill – 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University – Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46-035 and A&M – Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to: (http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf) and/or consult your event organizer). Pursuant to PC46.035, the open carrying of handguns is prohibited on all A&M – Commerce campuses. Report violations to the University Police Department at 903-886-5658 or 9-1-1.

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement

My primary form of communication with the class will be through Email and Announcements. Any changes to the syllabus or other important information critical to the class will be disseminated to students in this way via your official University Email address available to me through MyLeo and in Announcements. It will be your responsibility to check your University Email and Announcements regularly.

Students who Email me outside of regular office hours can expect a reply within 24 hours M-F. Students who Email me during holidays or over the weekend should expect a reply by the end of the next regularly scheduled business day.

Virtual Office

In myLeo Online you will find a "Virtual Office" It will say, "Welcome to my office. This space is set aside for students to ask course related questions." Place any questions or concerns about the course here and they will answered within 24 hours on weekdays. (It is possible that I will answer all threads during my office hours as posted on the syllabus.)

Please feel free to answer one another's questions. I will check answers (as well as questions) for correctness, but do not hesitate to respond to a posting if you feel you can answer the question thoroughly and directly.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures

Academic Honesty

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including (but not limited to) receiving a failing grade on the assignment, the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. In **ALL** instances, incidents of academic dishonesty will be reported to the Department Head. Please be aware that academic dishonesty includes (but is not limited to) cheating, plagiarism, and collusion.

Cheating is defined as:

- Copying another's test of assignment
- Communication with another during an exam or assignment (i.e. written, oral or otherwise)
- Giving or seeking aid from another when not permitted by the instructor
- Possessing or using unauthorized materials during the test
- Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key

Plagiarism is defined as:

- Using someone else's work in your assignment without appropriate acknowledgement
- Making slight variations in the language and then failing to give credit to the source

Collusion is defined as:

- Collaborating with another, without authorization, when preparing an assignment
  If you have any questions regarding academic dishonesty, ask. Otherwise, I will assume that you have full knowledge of the academic dishonesty policy and agree to the conditions as set forth in this syllabus.

Students should also reference the following link Criminal Justice web site for more information.

Attendance Policy

While this is an online course, students are expected to 'attend class' and actively participate. Student participation/activity will be monitored by the professor. Students should plan to dedicate approximately 20 hours/week of time to this course, of which approximately 3 hour/week should be spent in the discussion board (reading posts and comments and conversing with others).

Drop Course Policy

Students should take responsibility for dropping themselves from the course according to University policy should this become necessary.

University Specific Procedures

Nondiscrimination Statement

A&M-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

ADA Statement

Students with Disabilities

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- Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

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).*

COURSE OUTLINE / CALENDAR

Basic Course Schedule (Subject to Change)

Chemistry

Chapter 9 – Atoms and the Periodic Table

Chapter 10 – The Atomic Nucleus and Radio Activity

Chapter 11 – Investigating Matter

Chapter 12 – Chemical Bonds and Mixtures

Chapter 13 – Chemical Reactions

Chapter 14 – Organic Compounds

Mid-Term Exam

Earth Science

Chapter 22 – Plate Tectonics

Chapter 23 – Rocks and Minerals

Chapter 24 – Earth's Surface Land and Water

Chapter 25 – Surface Processes

Final Exam

- Lack of participation may be considered the same as a lack of attendance and be grounds for being dropped from the course.
- Assignments may be added, dropped, or substituted during the course of the semester.