

Tentative Syllabus
IS 1315.02W – INTEGRATE SCIENCE I
Fall 2016

Instructor: Albert Menchaca

Office: Online using E-Mail. Tuesday and Thursday after 8:00 p.m. and Sunday evenings.

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COURSE DESCRIPTION

This is a University Studies science course. The interdisciplinary application of scientific principles to society is emphasized. The scientific principles developed in this course are motion, energy, chemical changes, and other topics typically covered in physical science courses. Connections and applications of these principles to the other sciences and public issues are examined.

TEXTBOOK AND MATERIALS

Required: Conceptual Integrated Science, 2nd edition
Author(s): Suzanne A Lyons; Jennifer Yeh; Paul G. Hewitt; John A. Suchocki
Publisher: Pearson
Copyright year: 2013
Print ISBN: 9780321818508, 0321818504

Vitalsource offers a less expensive, electronic version, however, it has an expiration date. You can find details of this product along with other purchasing options at the following link:

<https://www.vitalsource.com/referral?term=9780133556049>

The electronic version will have the same content, so I will leave it up to you to decide which version you wish to use. However, **you will need a book for the course**. Do not rely on previous editions because the content is different. Students will also need a computer, internet access, and printer access. A basic calculator (i.e. TI-30X) is recommended for each student.

STUDENT LEARNING OUTCOMES

- Students will gain a better understanding of physical science concepts.
- Students will better understand scientific processes and test for further scientific knowledge.
- Students will understand the conceptual differences between facts, theories, and laws.
- Students will be able to compare the separate science disciplines and make integrative connections.

COURSE REQUIREMENTS

Each week, you will be required to complete assignments online that may consist of discussion questions, short papers, quizzes, online simulations and virtual labs, and exams. **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 Procedure and Scale:

Exams	50%
Labs and/or assignments	40%
Participation	10%

Letter Grade Breakdown:

A = 90 and above
B = 80-89
C = 70-79
D = 60-69
F = Below 60

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:*** It is assumed that 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. 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

eCollege Access and Log in Information:

This course will be facilitated using eCollege, 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>

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000 or helpdesk@tamuc.edu. It is strongly recommended that you perform a 'Browser Check' prior to the start of your course. To launch a browser test, login to ECollege, click on the 'Help' tab to the right of the page. Go to the menus on the left and click on 'Technical Requirements.' Under 'Computer Operating System and Browser Requirements' click on 'Browser Check.'

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 communicated 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 eCollege 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.

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 15-20 hours/week of time to this course, of which approximately one hour per 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. Check for announcements on the university web page for critical dates such as deadlines for dropping a class.

UNIVERSITY SPECIFIC POLICIES

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.

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, Cheating and other Breaches of Academic 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). Academic cheating, plagiarism, and other forms of academic misconduct may result in removal of the student from class with a failing grade or may in extreme cases result in suspension or expulsion from the University as described in the “Code of Student Conduct” section of the “Student’s Guidebook”.

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 PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 911.

TENTATIVE COURSE OUTLINE

Chapter 1 – About Science Physics

Chapter 2 – Describing Motion

Chapter 3 – Newton’s Laws of Motion

Chapter 4 – Momentum and Energy

Chapter 5 – Gravity

Mid-Term Exam

Chapter 6 – Heat

Chapter 7 – Electricity and Magnetism

Chapter 8 – Waves—Sound and Light

Chapter 28 – The Solar System

Chapter 29 – The Universe

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.