



## **IS 1315 – Integrated Science I**

COURSE SYLLABUS: Spring 2026

### **INSTRUCTOR INFORMATION**

Instructor: Dr. Bao-An Li

Office Location: Science Building room 142

Office Hours: by email appointment

Office Phone: 903-886-5488

Office Fax: 903-886-5480 (Department of Physics and

Astronomy) University Email Address: [Bao-An.Li@etamu.edu](mailto:Bao-An.Li@etamu.edu)

Preferred Form of Communication: email

Communication Response Time: within 24 hours

### **COURSE INFORMATION**

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required: Conceptual Integrated Science, 2nd Edition, by Hewitt, Lyons, Suchocki, & Yeh. ISBN: 13: 978-0321818508

Software Required: none

Optional Texts and/or Materials: Students must have access to a computer with internet connection.

## Course Description

This is a University Science course. The interdisciplinary application of scientific principles is emphasized. The scientific principles developed in this course primarily include physics, 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

- Students will gain 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

### Minimal Technical Skills Needed

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 myLeo online (D2L). In addition, a working 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 including computer simulation labs (JAVA, flash, HTML5) 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.

### Instructional Methods

Students will study class materials through myLeo online (D2L) system. There will be reading materials, homework, and online lab simulations each week. Based on the understanding of the materials, a short quiz will be assigned every week.

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@tamu-commerce.edu](mailto:helpdesk@tamu-commerce.edu).

**Student Responsibilities or Tips for Success in the Course** Students must check an online course on myLeo online (D2L) every week. All assignments and tests will be posted on D2L system.

## GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

### Grading Procedure

Homework: 20%, Quiz: 30%, Midterm exams: 25%, Comprehensive final exam: 25%

\* The scales can be adjusted by the instructor.

## TENTATIVE COURSE OUTLINE / CALENDAR

Week 1		-	Ch.1: About Science
Week 2		-	Ch. 2: Describing Motion
Week 3		-	Ch. 3: Newton's Laws of Motion
Week 4		-	Ch. 4: Momentum and Energy
Week 5		-	Ch. 5: Gravity
Week 6		-	Review 1 - Ch. 1,2,3,4,5
Week 7		-	<b>Midterm</b>
Week 8-9		-	Ch. 6: Heat, ---- week 9: Spring Break March 9-13
Week 10		-	Ch. 7: Electricity and Magnetism
Week 11		-	Ch. 8: Waves - Sound and Light
Week 12		-	Review 2 - Ch. 6,7,8
Week 13		-	Ch. 28: The Solar System
Week 14		-	Ch. 29: The Universe
Week 15		-	Review 3 - Ch. 28, 29
Week 16		-	<b>Final Exam and Teaching Evaluation</b>
		-	

## TECHNOLOGY REQUIREMENTS LMS

All course sections offered by East Texas A&M University (ETAMU) have a

corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

Zoom Video Conferencing Tool

[https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom\\_Account.aspx?source=universalmenu](https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu)

## ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a ETAMU campus open computer lab, etc.

## COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

### Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

# Interaction with Instructor Statement

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

### Course Specific Procedures/Policies

#### Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

#### University Specific Procedures

##### Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook

[http://www.tamuc.edu/student\\_guidebook/Student\\_Guidebook.pdf](http://www.tamuc.edu/student_guidebook/Student_Guidebook.pdf)

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

##### ETAMU Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedures 13.99.99.R0.01](#)

[http://www.tamuc.edu/admissions/registrar/generallInformation/attendance.asp\\_x](http://www.tamuc.edu/admissions/registrar/generallInformation/attendance.asp_x)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

##### Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/>

<13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

### Graduate Student Academic Dishonesty Form

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyForm.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

### **Students with Disabilities-- 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**

East Texas A&M University

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Student Disability Services](http://www.tamuc.edu/student-disability-services/)

[https://www.tamuc.edu/student-disability-services/](http://www.tamuc.edu/student-disability-services/)

### **Nondiscrimination Notice**

East Texas A&M University 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.

### **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University 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 the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url: <http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

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 9-1-1.

## **A&M-Commerce Supports Students' Mental Health**

The Counseling Center at ETAMU located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel)

### **AI use policy [Draft 2, May 25, 2023]**

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow

their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty