

ENVS 1301 E

Introduction to Environmental Science

Courses Syllabus: Spring, 2025

Instructor: Dr. Lin Guo

Office: SCI 353

Email: Lin.Guo@tamuc.edu

Office hr: 9:00–9:50; 12:00-1:00 MWF

Classroom: BA 256

Class time: MWF 10:00-10:50 or 11:00-11:50

Text Book:

Recommended. Electronic Book: Kaufmann and Cleveland, 2015, Environmental Science.

Simply go to store.trinity.com and search for “Environmental Science”.

Course Description:

Survey course designed to cover major areas relating to contemporary ecological/environmental problems and to introduce the student to the multiple of roles of the environmental professional in addressing these problems.

Instructional Method:

lectures, discussions, projects and videos

Learning Objectives:

Upon completion of this course, you should be able to:

1. Describe current environmental conditions;
2. Understand terminology commonly used in environmental science, such as environment; sustainable development;
3. Read and critically evaluate presented information and media reports;
4. Successfully work with a small team of students to design and conduct an environmental project.

Competency Student Learning Outcomes:

1. Critical Thinking: Students will be able to differentiate between fact and opinion; be able to discern between relevant and irrelevant information, recognize bias in source material, and critically examine a diversity of source material.
2. Communication: In written, oral, and/or visual communication, students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure.

3. Empirical and Quantitative Skills: Students will be able understand and utilize mathematical functions and empirical principles and processes.
4. Teamwork: Students will be able to work together toward a shared purpose relevant to the course or discipline with a sense of shared responsibility for meeting that purpose.

Monthly writings, projects and exams will be given to support and assess the learning objectives and competency student learning outcomes. **Some other small assignments** will be assigned in classroom or online to enhance the understanding of the class contents.

Monthly Writings:

In order to culture and assess your critical thinking and written communication ability, you need to read an article and submit a brief review every month. The review should be typed (12 pt font, 1.5 line spacing) and include two full paragraphs. First, conclude the opinions of the article (about one half to one page). In the second paragraph (about one half to one page), please critique of the article with substantive or evidence-driven arguments for or against the opinions of the article. The articles **will be assigned** to you in D2L and topics will be related to sustainable development, global water shortage and global climate change. The reviews must be sent to the assignment submission folder in D2L **before 5 pm on Jan 31, Feb 28 and Mar 31**. Source of information must be referenced. **Assignments are expected to be submitted on time.**

Exam:

There will be a total of 3 exams for the course. Exams will be designed to evaluate the student's understanding of the subjects covered in class and empirical and quantitative skills. Study guide will be given to help you prepare for exams. The date of exam will be announced on week earlier in class.

Team Project:

In order to culture and assess your teamwork ability, students will form teams of **3-6** members, conceptualize, design, and perform a project targeting environmental sustainability and community environmental service (remember: think globally; act locally; simple examples of project: campus cleaning, planting trees, composting, 3Rs, building rainwater catchment, water quality testing, promoting sustainability on campus, etc.). Actual conduct of the project must exceed **8 hours**. The whole team will submit one well written and photo documented paper describing the project, the project goals, the duties of each member, the time spent (including a documented work schedule), the achievements, and the lessons learned. The team members will be required to evaluate each other's contribution to the team effort (blind evaluation) to determine 33% of each member's assignment grade. The photo documentation

should include images showing that you participated in the project. The paper should be a minimum of **5 written pages** excluding the title page and excluding the photo. Use 12 pt font, 1.5 line spacing. Number your pages. **The paper must be sent to submission folder in D2L on or before 5 pm on May 5. Plagiarized papers will receive a zero score! Late homework will receive a zero! You must find team members by yourself. If your team contains less than 3 or more than 6 members, you cannot receive the teamwork grade (33%).**

Grades:	3 tests	300 points	A \geq 90%
	Articles writing	100 points	B \geq 80%
	Project	100 points	C \geq 70%
	Class assignments	40 points	D \geq 60%
	Total	540 points	F $<$ 60%

Topics and schedule: The following topics will be included in class. The schedule is approximate and subject to change.

Jan 13-24 Environmental Overview;	Mar 3-21 Air pollution and climate change;
Jan 27-31 Ecology;	Mar 24-Apr 4 Water; Exam 2
Feb 3-7 Biomes;	Apr 7- 11 Solid Waste;
Feb 10-14 Biodiversity; Exam 1	Apr 14-18 Food Agriculture;
Feb 17-21 Biological communities;	Apr 21-30 Pest Control;
Feb 24-28 Population;	May 1-May 9 Finish Project and Exam 3

The date of exam will be announced one week earlier in class.

Attendance

Students are required to attend all sections and sign the rosters every class. **Be late for class and/or leaving early will be treated as absences. Official documents** (e.g. doctor’s letter) must be presented if you ask for a leave from class or it will be treated as an absence

Students with Disabilities:

The Americans with Disabilities Act (ADA) prohibits discrimination against people with disabilities in employment, transportation, public accommodation, communications, and governmental activities.

If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Phone (903) 886-5150 or (903) 886-5835 Fax (903) 468-8148 Email: Rebecca.Tuerk@tamuc.edu

Website: Office of Student Disability Resources and Services

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

ETAMU Attendance:

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01. <http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>
<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

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

Graduate Student Academic Dishonesty 13.99.99.R0.10

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

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.

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/admissions/registrar/documents/studentGuidebook.pdf>

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

Early Intervention for First Year Students:

Early intervention for freshmen is designed to communicate the University's interest in their success and a willingness to participate fully to help students accomplish their academic objectives. The university through faculty advisors and mentors will assist students who may be experiencing difficulty to focus on

improvement and course completion. This process will allow students to be knowledgeable about their academic progress early in the semester and will provide faculty and staff with useful data for assisting students and enhancing retention. Grade reports will be delivered by the end of the sixth week of the semester.

Campus carry rules:

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 East A&M 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 East A&M campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

Technology Requirement

D2L Access and Log in Information

This course will be facilitated using D2L, the learning management system used by East Texas A&M University. To get started with the course, go to myLeo, then select Apps, and then select myleo online (D2L Brightspace).

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.

If you are having technical difficulty with any part of D2L Brightspace, please contact Brightspace Technical Support at 1-877-325-7778.

Interaction with Instructor Statement

If you have questions pertaining to the content of this course, please contact me via email or office time. Generally, emails will be answered within 24 hrs. If I can not answer emails on time, I will let you know in advance.

AI Statement

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

<https://inside.tamuc.edu/aboutus/policiesproceduresstandardsstatements/rulesprocedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

13.99.99.R0.10 Graduate Student Academic Dishonesty

<https://inside.tamuc.edu/aboutus/policiesproceduresstandardsstatements/rulesprocedures/13students/graduate/13.99.99.R0.10.pdf>