

UTTC Pre-Environmental Engineering

Course Syllabus

SCI 102/LAB 102A Physical Science & Lab

Course Information

Credit Hour: 3 (lecture)/1 (lab)

Semester/Year: Spring 2016

Class Location: Science Building #205

Time: Lecture - M W 10:00 – 11:30 am

Lab - F 10:00 - 11:50 am

Instructor Information

Instructor: Alexa Azure

Phone: (701) 255-3285 ext. 1395

Office Location: Science Building #221

E-Mail: aazure@uttc.edu

Required Textbooks:

Krauskopf, K.B., Beiser, A. (2013) *The Physical Universe* (15th Ed.). McGraw Hill. ISBN: 9780073512167.

Course Description:

This course is designed for students that have an interest in the world and how it operates. It is an introductory overview of physical science with an emphasis on theories of Earth Science combined with practical application through laboratory exercises. Organized into several units by subject category, it includes the basic topics and principles of physics, geology, chemistry, and astronomy. A hands-on approach is central to the processes employed.

Course Objectives: Upon successful completion of the course, the learner will:

1. Discuss the scientific method.
2. Explain the solar system.
3. Describe universal gravitation.
4. Use the SI system.
5. Distinguish between force and motion.
6. Give definitions for both work and energy.
7. Discuss Temperature and Heat.
8. Distinguish between and give examples of energy transformation.
9. Describe electricity and magnetism.
10. Draw the rock cycle.
11. Understand the evolving earth features, such as plate tectonics and geologic time.
12. Be able to explain the solar system and the universe.
13. Give definitions for both energy and work.

POLICIES

Course Attendance Policy

Regular class attendance is important for you to understand the material in this class. The responsibility for regular attendance is entirely yours. We understand there are circumstances that are justified for missing class (i.e. severe illness or death in the family); however, in JICS (my.uttc) you will still be counted absent from the course regardless of the circumstances. The instructor will document the reason for absences in the event that an issue arises due to excessive absences. In any event, the following procedures apply:

1. You are responsible for material covered in classes you miss.
2. You are responsible for the decision to be absent on the day of a scheduled examination well aware that you may not be able to take it later.
3. You may refer to the UTTC student handbook/planner that addresses campus attendance policies.

Expect class to last the entire scheduled time. You may not leave class early without a valid excuse or without having made prior arrangements with the instructor. Choosing to do so may result in you being considered absent for that class period.

Student Tardiness

You must be seated and ready to begin class at the scheduled time. Tardiness is unprofessional and will be recorded and closely monitored by the instructor of the course. Significant tardiness, arriving **fifteen (15) minutes after** the posted start time for a 90 minute class, *may* result in you being considered fully absent from class.

Tardiness will be documented within the JICS system. If tardiness becomes a problem, a staffing may be conducted.

Late Assignments Policy

All student work is expected to be completed and turned in by the assigned due date. All class assignments are due at the *beginning* of the class period or they are considered late. All presentations must be completed on the original due date or you will forfeit any possible points.

Exceptions will be made for late work if contact with the instructor is made prior to the due date and with valid reason. The amount of points deducted for late work is 10% of the grade per day late. Late work will not be accepted after 5pm the Friday of the initial due date week.

Accommodation of Disabilities

United Tribes Technical College recognizes its responsibility for making reasonable accommodations to ensure there is no discrimination on the basis of a disability. The Office of Disabilities Services coordinates reasonable support services, accommodations, and appropriate referrals aimed at removing barriers and providing an equitable learning environment. If you have a disability, please contact the Disabilities Services office located in the Education Building Room 123 (first floor). The DS department can also be reached at 701.255.3285 ext. 1516.

Plagiarism and Academic Integrity

Plagiarism is the term for taking credit for work that is not your own. This means you cannot take material from articles, books or websites you find in the library and present it as your own work, you cannot let your friends prepare your assignments, and you cannot copy an assignment from a student who took the same course another semester. Plagiarism is taken seriously because this is a place for learning and new ideas; your assignments are the evidence you provide of your learning, your original ideas.

Providing work that is not your own or that is not unique to the assignment is inappropriate because it is a form of dishonesty. The consequences of plagiarism are severe: you will be given an F on the specific assignment, or the entire course, at the instructor's discretion. If you need advice on how to appropriately cite the work of others, please ask. Briefly as long as you acknowledge that an idea is not your own, but give the original source, and so long as the assignment contains sufficient original work in addition to whatever is quoted from others, you are generally not going to get into trouble.

Other violations of academic integrity are also inappropriate though they do not generally have the same severe consequences as plagiarism. One example would be lying about the reason for an absence, or signing someone else's name to a sign-in sheet when they were not present. Please keep in mind that students generally ask their instructors for recommendations, whether for jobs or for scholarships.

Cell Phones

Out of respect and courtesy to your fellow students, your instructor, and yourself, please leave your cell phone off during class. If you absolutely must leave it on, please turn off the sound and use the silent ring mode. If a phone call is received, quietly take the call in the hall where you will be less of a distraction. **Texting is a distraction and a sign of disrespect. Please do not text in class.**

Extra-curricular Activities

If you are involved in extracurricular activities, you must be keeping up with your studies or instructors will not approve travel. Our job is to ensure that you have every opportunity for academic success by attending classes and completing assignments.

Class Cancellation Policy

In every situation, the decision to cancel classes is taken very seriously. The reputation of the College and the integrity of the academic program rely on every class being conducted according to the schedule. On rare occasions, there are unexpected emergencies that require class to be cancelled. If you want your instructor to contact you prior to class to let you know of a cancellation, be sure the instructor has your current phone number.

Grades

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	>60%

The instructor reserves the right to lower the grade scale, but not to raise it. If a student is on the border of a grade, consideration of attendance and participation will be the determinant of whether the student grade will be rounded up or not.

Point Distribution

Homework	40
Tests	30
Labs	30

The instructor reserves the right to lower the grade scale, but not to raise it. If a student is on the border of a grade, consideration of attendance and participation will be the determinant of whether the student grade will be rounded up or not.

Incompletes

A grade of I (Incomplete) will be recorded when a student is making progress in classes, but is unable to complete course requirements for reasons beyond his/her control and after negotiation between the teacher and the student about how the course can be completed. **Except for emergencies, such as exceptional personal illness, a death in the family, or other unforeseeable emergencies, a student must contact their instructor within two weeks prior to an event or events that they feel would interfere with their ability to attend class and finish the semester successfully. A minimum of a 'C' grade is required for the student to receive an Incomplete.** Copies of the negotiated agreement will be filed with the Registrar, the advisor, and the student. Students have two weeks into the succeeding semester to complete the necessary work

Student Contract:

I, _____, have read the syllabus for _____, and I understand the content enclosed.

Student Signature

Date

Instructor Signature

Date