



TEXAS A&M UNIVERSITY

COMMERCE

College of

Science and Engineering

BSC 464 Principles of Sustainability

I. General Information

Course syllabus May-mini 2025

Instructor: Archana Srinivas, Ph.D.

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Prerequisites: none

Book: Robertson, M. (2017). **Sustainability Principles and Practice** (2nd ed.). Routledge.

<https://doi.org/10.9774/gleaf.9781315625478> **ANY EDITION WILL BE FINE 1, 2 or 3**

II. Course Description

This course is designed to provide an overview of the social and biological principles of sustainability. An emphasis will also be placed on understanding on the education, health, population dynamics, culture, agriculture, food security, and natural resources aspects of sustainability.

III. Student Learning Objectives

To understand sustainability concepts, how to apply them, and their implications.

To understand the mechanisms of society accepting or resisting sustainability.

To develop a reading tradition.

To develop communication skills and clarity to present ideas and explain them in public.

IV. Learning strategies Lectures

Analysis of Case Study Samples

Individual work, analysis of free reading

Homework

V. Tentative course outline

Week I.

Chapter 1

Chapter 2

Chapter 3

Chapter 4

Chapter 5

Chapter 6

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Week II.

Chapter 7
Chapter 8
Chapter 9
Chapter 10
Chapter 11
Chapter 12

Week III

Chapter 13
Chapter 14
Chapter 15
Chapter 16
Chapter 17
Chapter 18

VI. Course Requirement and Evaluation Method

Homework and quizzes are required.

Grade basis:

16 Quizzes

3 Assignments (this could change)

Grading Scale: The following scale is adhered to strictly.

90.0 – 100% = A

80.0 - 89.9% = B

70.0 - 79.9% = C

60.0 – 69.9% = D

<60.0% = F

Assignments (3*)

Journal articles

Reading and assimilating information is a critical part of your current and continuing education. For each assign date, a journal is named in the right column of the table, choose and read a paper from that journal that you find interesting or relevant. These journals are available in our library (online resources). On that date, provide me a citation and a short description of the paper (10 sentences).

Date	Journal
18 MAY	Environment, Development and Sustainability
25 MAY	International Journal of Agricultural Sustainability
30 MAY	International Journal of Sustainability in Higher Education



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Course and University and Policies University

Specific Procedures:

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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-
Commerce
GeeLibrary

Room 132

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

Fax (903) 468-8148

StudentDisabilityServices@tamuc.edu

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((<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 9-1-1.