暨南大學 JINAN UNIVERSITY

2022

0810E101

Introduction to Environmental Science

Instructor:TBA

Time: October 17, 2022 - November 18, 2022

Office Hours: 2 hours (according to the teaching schedule)

Contact Hours: 60 (50 minutes each)

Credits: 4

Course Description

This course introduce the impact of human systems on the physical and biological environment as well as discuss possible solutions to today's environmental problems. Topics include ecology, natural resources, geology, energy, pollution, population growth, urbanization, climatology, and sustainability.

Required Textbook

Essential Environment the Science Behind the Stories, Jay Withgott Matthew Laposata English; ISBN-10: 0321984579; ISBN-13: 978-0321984579

Assessment

Your final grade in this course is based upon performance on lecture examinations (75% in total, 15% each) and in exercises, homework, discussions, 25%).

Reading assignments

Reading assignments will be scheduled as the course progresses.

Homework

Homework assignments will be given to enhance understanding of lecture material.

Quizzes and discussions

Discussions throughout the term.

Tests and Final Exam

Tests and exams will consist of multiple choice, fill in the blank, matching and labeling questions. Tests primarily concern material covered in the section and since the most recent Test; however, they may include some cumulative material from earlier in the term. Tests may include material from assigned text readings as well as lecture.

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Class Schedule

Section 1

- Chapter 1: Science and Sustainability: An Introduction to Environmental Science
- Chapter 2: Environmental Systems: Matter, Energy, and Ecosystems
- Chapter 3: Evolution, Biodiversity, and Population Ecology
- Test 1

Section 2

- Chapter 4: Species Interactions and Community Ecology
- Chapter 6: Human Population
- Chapter 8: Biodiversity and Conservation Biology
- Test 2

Section 3

- Chapter 11: Geology, Minerals, and Mining
- Chapter 12: Fresh Water, Oceans,and Coasts
- Test 3

Section 4

- Chapter 13: Atmospheric Science, Air Quality, and Pollution Control
- Chapter 14: Global Climate Change
- Test 4

Section 5

- Chapter 15: Nonrenewable Energy Sources, Their Impacts, and Energy Conservation
- Chapter 16: Renewable Energy Alternatives
- Final Exam

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty, includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the same paper, or a substantially similar paper, to meet the requirements of more than one course without the approval and consent of the instructors concerned; or

sabotaging other students' work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to receiving a failing grade (E) in the course.