

3. Course Details - EPS (Environmental Problems and Science)

Instructor	J. Xiao
Detailed Course Title	How Can We Understand the Environmental Problems with Science?
Course Description	This course offers a comprehensive understanding of environmental problems and their scientific underpinnings, including climate change, pollution, and habitat destruction.
Course Objective	Understand the scientific basis of major environmental challenges. Analyze the impacts of human activities on the environment. Develop critical thinking for environmental problem-solving.
Course Contents	Section A (Lectures): Week 1: Introduction to Key Environmental Problems and Their Science Week 2: Climate Change: Scientific Understanding and Global Impact Week 3: Pollution and Its Environmental Consequences Week 4: Habitat Destruction and Resource Depletion: Scientific Insights Section B (Seminars & Discussions): Week 5: Seminar on Innovative Approaches to Environmental Conservation Week 6: Workshop on Climate Change Mitigation and Adaptation Strategies Week 7: Discussion on the Role of Technology in Solving Environmental Problems Week 8: Interactive Session on Future Trends in Environmental Science
Prerequisite	Understanding of basic scientific principles related to biology and chemistry. Ability to analyze and interpret scientific data.
Assignment	Essay & Prevention (Participation is important)