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Fall 2018

EPS 202 - Society, Technology and Environment

Zeyuan Qiu

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Society, Technology, And Environment: *Fall 2018 Course Syllabus*

NJIT Academic Integrity Code: All Students should be aware that the Department of Chemistry & Environmental Science (CES) takes the University Code on Academic Integrity at NJIT very seriously and enforces it strictly. This means that there must not be any forms of plagiarism, i.e., copying of homework, class projects, or lab assignments, or any form of cheating in quizzes and exams. Under the University Code on Academic Integrity, students are obligated to report any such activities to the Instructor.

COURSE INFORMATION

Course Description: This course introduces students to the interdisciplinary field of environmental studies and explores the interrelationships between science, technology, environment, and society. We examine the social and scientific origins of environmental problems and evaluate the complex role of technology in creating and resolving these concerns. The perspective of the course is broadly social scientific, though this mode of investigation takes place against the background of a scientific appreciation of current environmental dilemmas. We will consider both the local and global implications of current social activities on the environment and investigate specific issues such as environmental pollution, water depletion and quality degradation, declining biodiversity, and climate change. Other topics include ecosystem, energy, food production, and biotechnology.

Number of Credits: 3

Prerequisites: None

Course-Section and Instructors

Course-Section	Instructor
EPS 202 - H02	Zeyuan Qiu; Zeyuan.qiu@njit.edu ; 973-596-5357
EPS202 - 451	Zeyuan Qiu; Zeyuan.qiu@njit.edu ; 973-596-5357

Office Hours for All Chemistry & Environmental Science Instructors: [Fall 2018 Office Hours and Emails](#)

Required Textbook:

Title	Classical Edition Sources: Environmental Studies
Author	Thomas Easton
Edition	Fifth Edition
Publisher	McGraw-Hill
ISBN #	1308081936

University-wide Withdrawal Date: The last day to withdraw with a W is Monday, November 12, 2018. It will be strictly enforced.

Learning Outcomes:

- To enhance students’ understanding of the complex and dynamic interrelationships between science, technology, environment and society.
- To empower students with critical thinking skills and knowledge of sustainability needed to pursue successful careers in science, technology and engineering.
- To develop students’ sensibility to the contemporary environmental/ecological problems such as climate change, water and air pollution, and loss of biodiversity and their sources and causes.
- To establish students’ social responsibility of solving the contemporary environmental problems from personal, professional and societal perspectives.
- To nurture students’ environmental entrepreneurship spirit in tackling the contemporary environmental problems with development and application of innovative science, technology and engineering practices.

POLICIES

All CES students must familiarize themselves with, and adhere to, all official university-wide student policies. CES takes these policies very seriously and enforces them strictly.

Grading Policy: The final grade in this course will be determined as follows:

Three Essays	30%
Class Participation	15%
Midterm Exam I	15%
Midterm Exam II	15%
Final Exam	25%

Your final letter grade in this course will be based on the following tentative curve:

A	90% above	C	70-75%
B+	85-90%	D	60-70%
B	80-85%	F	Below 60%
C+	75-80%		

Attendance Policy: Attendance at classes will be recorded and is **mandatory**. Each class is a learning experience that cannot be replicated through simply “getting the notes.”

Essays: Three essays on various topics chosen by students are to be handed in for grading and will be used in the determination of the final letter grade as described above. The deadline for submitting the essays is a week after the topic is discussed in class.

Class Participation: There will be plenty of opportunities offered for students to engage in class and online discussions, and class debates. Thoughtful comments and active participation from students are expected and will be used in the determination of the final letter grade as described above.

Exams: There will be two midterm exams held in class during the semester and one comprehensive final exam. The following exam periods are tentative and therefore possibly subject to change:

Midterm Exam I	October 10
Midterm Exam II	November 14
Final Exam Period	December 15 - 21, 2018

The final exam will test your knowledge of all the course material taught in the entire course.

Makeup Exam Policy: There will normally be **NO MAKE-UP QUIZZES OR EXAMS** during the semester. In the event that a student has a legitimate reason for missing a quiz or exam, the student should contact the Dean of Students office and present written verifiable proof of the reason for missing the exam, e.g., a doctor's note, police report, court notice, etc. clearly stating the date AND time of the mitigating problem. The student must also notify the CES Department Office/Instructor that the exam will be missed so that appropriate steps can be taken to make up the grade.

Cellular Phones: All cellular phones and other electronic devices must be switched off during all class times. Such devices must be stowed in bags during exams or quizzes.

ADDITIONAL RESOURCES

Course Website: The detailed reading list, exercises for exams and additional materials are provided in the course website at <http://njit2.mrooms.net/>, which can be accessed using your NJIT UCID.

Accommodation of Disabilities: Office of Accessibility Resources and Services (*formerly known as Disability Support Services*) offers long term and temporary accommodations for undergraduate, graduate and visiting students at NJIT.

If you are in need of accommodations due to a disability please contact Chantonette Lyles, Associate Director at the Office of Accessibility Resources and Services at **973-596-5417** or via email at lyles@njit.edu. The office is located in Fenster Hall Room 260. A Letter of Accommodation Eligibility from the Office of Accessibility Resources Services office authorizing your accommodations will be required.

For further information regarding self-identification, the submission of medical documentation and additional support services provided please visit the Accessibility Resources and Services (OARS) website at:

- <http://www5.njit.edu/studentssuccess/disability-support-services/>

Important Dates (See: [Fall 2018 Academic Calendar, Registrar](#))

Date	Day	Event
September 4, 2018	T	First Day of Classes
September 10, 2018	M	Last Day to Add/Drop Classes
November 12, 2018	M	Last Day to Withdraw
November 20, 2018	T	Thursday Classes Meet
November 21, 2018	W	Friday Classes Meet
November 22 - 25, 2018	R - Su	Thanksgiving Break - University Closed
December 12, 2018	W	Last Day of Classes
December 14, 2018	F	Reading Day
December 15 - 21, 2018	F - R	Final Exam Period

Course Outline

Lecture	Section	Topic	Assignment
1		Introduction	Readings
2		Worldviews	Readings
3		Origins of Environmentalism	Readings
4		Conservation	Readings
5		Ecosystems	Readings
		Midterm I	Essay
6		Population	Readings
7		Food and Agriculture	Readings
8		Environmental Pollution	Readings
9		Biodiversity	Readings
		Midterm II	Essay
10		Energy	Readings
11		Climate	Readings
12		Water	Readings
13		Final	Essay

