Fall 2020

EVSC 335-001: Environmental Law

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NJIT New Jersey Institute of Technology

THE COLLEGE OF SCIENCE AND LIBERAL ARTS

THE DEPARTMENT OF CHEMISTRY AND ENVIRONMENTAL SCIENCE

EVSC 335 Environmental Law:
Fall 2020 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.

The shift to remote and converged teaching due to the COVID-19 pandemic has required that both instructors and students make changes to their normal working protocols for courses. Students are asked to practice extra care and attention in regard to academic honesty, with the understanding that all cases of plagiarism, cheating, multiple submission, and unauthorized collaboration are subject to penalty. Students must properly cite and attribute all sources used for papers and assignments. Students may not collaborate on exams or assignments, directly or through virtual consultation, unless the instructor gives specific permission to do so. Posting an exam, assignment, or answers to them on an online forum (before, during, or after the due date), in addition to consulting posted materials, constitutes a violation of the university's Honesty policy. Likewise, unauthorized use of live assistance websites, including seeking "expert" help for specific questions during an exam, can be construed as a violation of the honesty policy. All students should be familiar with the **NJIT Academic Integrity Code**

COURSE INFORMATION

Course-Section and Instructor: EVSC 335-001 **Michael P. Bonchonsky FMH Rm 106.** Meet ups with instructor via webex by apptmnt .

Class: On line only, synchronous TR 11-12:20.
First class Tuesday Sept 1

Course Description: This course covers the major features, fundamentals and principles of modern environmental law and is offered from the perspective of a practicing environmental scientist and engineer. The historical development and roots of environmental law are analyzed and described. Topics include for example the major features of the Clean Water Act and related programs for protecting the water environment. These major provisions include for example, the Watershed management program, the dredge and fill provisions, the national pollution discharge elimination system permit program, etc. In a similar manner each of the major environmental laws will be reviewed and synthesized (see syllabus topics below) in the context of their historical development and current implementation.

Number of Credits: 3 cr **Prerequisites**: HUM 102

Office Hours Chemistry & Environmental Science Instructors: See Canvas Fall 2020 Office Hours and Emails: michael.p.bonchonsky@njit.edu Webex by apptment and after class until 1 PM…

Required Textbook:
Required Text: in bookstore…Environmental Law Handbook ISBN 978-1-64143-350-1, 2019, author: Thomas F P Sullivan, ed.; Publ.: The Rowman and Littlefield Publ. Group, Inc., Berman Press

Title	Environmental Law Handbook
Author	Thomas F. P. Sullivan, ed.

Edition	24rd edition, 2019 (scenic woods cover)
Publisher	Berman Press
ISBN #	ISBN 978-1-64143-350-1

University-wide Withdrawal Date: The last day to withdraw with a **W** is Monday, November 9, 2020. It will be strictly enforced.

Learning Outcomes:

Note: the emphasis on each of these environmental statutes covered will be on the technical science and engineering requirements of each topic such as standards and limits

General Environmental law: Compare the technical requirements of statutory law with common law; describe the development and roots of environmental law and its standards and limits.

Clean Water Act: Compare modern provisions and objectives (CWA) with historic goals for clean water, Understand major provisions (CWA); Relate current water conditions to modern regulatory requirements; Design a water discharge permit; Compare ambient and effluent limits; Apply watershed management approaches to the control of water pollution.

Clean Air Act: Describe major provisions and show evolution of regulatory controls; Apply CAA to modern issues: global climate change, acid rain, identify major provisions (CAA); Predict trends in ambient levels of each criteria pollutant; Understand the role of secondary pollutant controls in human society

Safe Drinking Water Act: Analyze health implications of and basis for the regulation of major parameters controlled; Identify changes in potable water treatment resulting from regulatory provisions; Know the technical system of selecting (by regulatory agency) parameters for control; Compare the roles of the levels of government involved in drinking water controls

Hazardous Waste regulation, Resource Conservation and Recovery Act and CERCLA Superfund program: Apply the legal definition of hazardous waste and hazardous materials emphasizing technical aspects of same, and compare; Apply the major provisions to an industrial manufacturing facility; Describe the required major features of remediation of a historically contaminated industrial site.

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:

Essay	20 %
Quizzes	20
Midterm Exam	25
Final Exam	30
Participation	5

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The final grade of this course will be determined as below:

Final Grade	Overall Academic Performance (100%)
A	Above 90
B+	85-89
B	80-84

C+	75-79
C	70-74
D	60-69
F	Below 60

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."

Homework Policy: Homework is an expectation of the course. The homework assignments set by the instructor will be used in class discussions, participation in which is used in the determination of the final letter grade as described above.

Exams: There will be a midterm exam and two quizzes held in class during the semester and one comprehensive final exam. The following exam periods are tentative and therefore possibly subject to change (see Canvas for any updates): see table below for dates.

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

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/studentsuccess/disability-support-services/

Important Dates (See: Fall 2020 Academic Calendar, Registrar)…See last page full calendar

Key dates		
First class	Sept 1	Read Chapter One, as assigned on Canvas
First quiz	Sept 24	Material covered in first 4 wks
Midterm	Oct 20	Material covered in first 7 weeks
Second quiz	Nov 12	Material covered week 7-11
Final	Dec16	Exam week as published by NJIT registrar

Course Outline

(see Canvas for any changes and updates)

Week 1 Introduction: the nature of environmental rules and regulations
Text: Chap 1
Course outline and synopsis
Syllabus (Moodle)
Study Guide (Moodle)

Week 2: Clean Water Act
Chap 6
Discharge permits, effluent guidelines

Week 3: Clean Water Act: continued
Chap 6
Nonpoint source, spill prevention

Week 4: Clean Air Act
Chap 5 Primary, secondary standards; required technology levels

Week 5: Safe Drinking Water Act
Chap 8 Emphasizing drinking water standards, and associated requirements

Week 6: National Environmental Policy Act (NEPA)
Chap 10 Environmental Impact Statements

Week 7: Review and Midterm Exam (Oct 20)

Week 8: Toxic Substances Control Act
Chap 12

Week 9: Introduction to Hazardous Waste Law: Resource Conservation and Recovery Act (RCRA)
Chap 3

Week 10: RCRA Part II, Chap 3 con't.

Week 11: Superfund law: CERCLA
Chap 9

Writing Assignment, Due end Week 11 (Nov. 15) or as instructed on Canvas (see Canvas site)

Week 12: CERCLA Superfund continued

Week 13: Occupational Safety and Health Act Chap 16

Week 14: Energy Law

Week 15, Review

Fall 2020 Academic Calendar

September	1	Tuesday	First Day of Classes
September	5	Saturday	Saturday Classes Begin
September	7	Monday	Labor Day
September	8	Tuesday	Monday Classes Meet
September	8	Tuesday	Last Day to Add/Drop a Class
September	8	Tuesday	Last Day for 100% Refund, Full or Partial Withdrawal
September	9	Wednesday	W Grades Posted for Course Withdrawals
September	14	Monday	Last Day for 90% Refund, Full or Partial Withdrawal - No Refund for Partia Withdrawal after this date
September	28	Monday	Last Day for 50% Refund, Full Withdrawal
October	19	Monday	Last Day for 25% Refund, Full Withdrawal
November	9	Monday	Last Day to Withdraw
November	25	Wednesday	Friday Classes Meet
November	26	Thursday	Thanksgiving Recess Begins
November	29	Sunday	Thanksgiving Recess Ends
December	10	Thursday	Last Day of Classes
December	11	Friday	Reading Day 1
December	14	Monday	Reading Day 2
December	15	Tuesday	Final Exams Begin
December	21	Monday	Final Exams End

December	23	Wednesday	Final Grades Due