

Fall 2019

EVSC 335-001: Environmental Law

Michael Bonchonsky

Follow this and additional works at: <https://digitalcommons.njit.edu/chem-syllabi>

Recommended Citation

Bonchonsky, Michael, "EVSC 335-001: Environmental Law" (2019). *Chemistry and Environmental Science Syllabi*. 101.
<https://digitalcommons.njit.edu/chem-syllabi/101>

This Syllabus is brought to you for free and open access by the NJIT Syllabi at Digital Commons @ NJIT. It has been accepted for inclusion in Chemistry and Environmental Science Syllabi by an authorized administrator of Digital Commons @ NJIT. For more information, please contact digitalcommons@njit.edu.

EVSC 335 Environmental Law: *Fall 2019 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-Section and Instructor: EVSC 335-001 Michael P. Bonchonsky

Class 11:30 am - 12:50 pm TR Faculty Memorial Hall 106 Sep 03, 2019 - Dec 20, 2019 Lecture
Tuesday Sept 3 : First class

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 for All Chemistry & Environmental Science Instructors: See Canvas [Fall 2019 Office Hours and Emails: michael.p.bonchonsky@njit.edu](#) Tu Th 10-11, and after class 1-2... other by appt

Required Textbook:

Required Text: in bookstore...Environmental Law Handbook ISBN 978-1-59888-667-2, December 2013, author: Christopher L. Bell, et. al.

Title	Environmental Law Handbook
Author	Chirtopher L. Bell
Edition	23 rd edition, 2016 (maroon colored cover)
Publisher	Bernan Press
ISBN #	ISBN 978-1-59888-667-2

University-wide Withdrawal Date: The last day to withdraw with a **W** is Monday, November 12, 2018. 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	25
Participation	10

:

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):

Midterm Exam and 2 quizzes	MidT Oct 14-18, 2019 see Canvas for updates
Final Exam Period	December 14 - 20, 2019

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 2019 Academic Calendar, Registrar](#))...See last page full calendar

Key dates		
First class	Sept 3	Read Chapter One
First quiz	Sept 26	Material covered in first 4 wks
Midterm	Oct 17	Material covered in first 7 weeks
Second quiz	Nov 14	Material covered week 7-11
Final	TBD	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

Week 6: National Environmental Policy Act (NEPA)

Chap 10 Environmental Impact Statements

Week 7: Review and Midterm Exam

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

Week 11: Superfund law: CERCLA

Chap 9

Writing Assignment, Due Week 11 or as instructed in class (see moodle)

Week 12: no class Th Nov 23(holiday) CERCLA Superfund continued

Week 13: Occupational Safety and Health Act Chap 16

Week 14: Energy Law

Week 15, Review

NJIT Calendar F19 September	2	Monday	Labor Day
September	3	Tuesday	First Day of Classes
September	7	Saturday	Saturday Classes Begin
September	9	Monday	Monday Classes Meet
September	13	Friday	Last Day to Add/Drop a Class
September	13	Friday	Last Day for 100% Refund, Full or Partial Withdrawal
September	14	Saturday	W Grades Posted for Course Withdrawals
September	16	Monday	Last Day for 90% Refund, Full or Partial Withdrawal - No Ref for Partial Withdrawal after this date
September	30	Monday	Last Day for 50% Refund, Full Withdrawal
October	21	Monday	Last Day for 25% Refund, Full Withdrawal
November	11	Monday	Last Day to Withdraw
November	26	Tuesday	Thursday Classes Meet
November	27	Wednesday	Friday Classes Meet
November	28	Thursday	Thanksgiving Recess Begins
December	1	Sunday	Thanksgiving Recess Ends
December	11	Wednesday	Last Day of Classes
December	12	Thursday	Reading Day 1
December	13	Friday	Reading Day 2
December	14	Saturday	Final Exams Begin