

Sp22-UEP-0221-01-Climate Change Policy PI

Professor: Amy Laura Cahn, Amy.Laura.Cahn@tufts.edu

Office Hours after class on Zoom: 11:45AM to 12:15PM on Thursdays

Teaching Assistant: Peyton Siler Jones, pjones06@tufts.edu

Office hours by appointment, please email to schedule

Class Meets: Tuesday/Thursday 10:30-11:45am

This class will be entirely on Zoom and will be recorded and captioned.

Introduction:

"It took some work, after all, to perceive a blank slate when 113,000 New Orleanians' homes had not flooded at all; and even in flooded areas, the water had done nothing to wash away the property rights, legal obligations, institutional affiliations, community connections, family bonds, cultural traditions, and other affective ties that linked people to place. Rather than wipe the slate clean, the flood had deposited another layer of memories onto the stratigraphy that defined home." From Katrina: A History, 1915-2015 by Andy Horowitz, Assistant Professor of History at Tulane University.

"I have learned that few really disagree with the following truth: climate change will force us to rethink the way we generate energy, distribute energy, and regulate the system. Our disagreements lie in how much we will change the system." From Revolutionary Power: An Activist's Guide to the Energy Transition by Shalanda H. Baker, Deputy Director for Energy Justice, United States Department of Energy.

This course examines climate change policy, planning, and action through the lens of systemic change and shifting power. The course roughly breaks down into three parts: 1) What are current conditions and how did we get here? 2) Where and how do systems changes occur and by whom? What are our forums for action? 3) What systems are ripe for innovation and change? How can change-making address the climate crisis shift power and how decisions are made? Who has the power to make change and at what scale? What is needed to imagine another world being possible and make that world reality?

Over the course of the semester, we will be asking: To what extent can innovations in our socio-ecological systems protect us from disruptions and losses associated with a changing climate? How can communities innovate as they develop and implement climate plans? What changes have occurred or are emerging now? How and by whom will innovative approaches to adaptation and mitigation be developed and implemented? How might mitigation and adaptation approaches complement or contradict? What is the relationship between innovation and justice?

In looking for answers to these questions, we explore scientific evidence, ethics, impacts, law and policy responses, movement building, and actions being planned and taken. We will look at sources of greenhouse gas emissions, relative to impacts on health, justice, and the economy. We will look at solutions proposed—some rejected, some adopted, and many still in play—by governments, communities, and institutions (both for-profit and non-profit) and for major systems, e.g. energy, transportation, food and agriculture, buildings, and waste. And there will be some flexibility for students to suggest systems of interest.

Many will tell you that addressing the climate crisis requires us to “walk and chew gum” at the same time, by advancing strategies to mitigate the impacts of a warming climate while we simultaneously adapt to those same impacts. In this course, we will be learning that addressing the climate crisis requires us to walk, chew gum, and play the drums in a marching band. Yes, we must reduce the greenhouse gases (GHGs) emissions so that our atmosphere does not warm up even more. And we must adapt our systems to allow humans and the planet to live safely amid more wildfires, more extreme weather, rising seas, and melting glaciers. To do this properly, we must redress past harms and transform the balance of power through collective action. As was highlighted through advocacy at all levels during the recent COP26 process in Glasgow, this requires equity and justice for the individuals, populations, and nations most affected by, relative to those who have contributed most to, the climate crisis. As was also amplified during the recent climate summit, this requires increasing focus on loss and damage, as well as adaptation and mitigation.

Learning Objectives

In addition to developing a basic understanding of the policy and planning challenges of the climate crisis, students will:

- Explore the role of systems change in climate change law, policy, planning, & action
- Understand root causes of climate change and the inequitable distribution of its impacts
- Understand who has the power to make change and through what means
- Explore policy and action at local, state, federal, and international levels
- Explore the role of social movements in systems change
- Analyze different types of policy documents and propose changes
- Explore solutions for different systems and examine those solutions through a justice lens
- Acquire experience with systems change through a final project

Course Texts

[Andy Horowitz, Katrina: A History, 1915-2015 \(2020\) \(Links to an external site.\)](#).

[Shalanda H. Baker, An Activist’s Guide to the Energy Transition \(2021\) \(Links to an external site.\)](#).

Course Requirements

Regular class attendance, preparation of assigned readings, and active participation in class discussion are expected. Students may take responsibility for leading part of a class discussion. Students will complete three short assignments, a mid-semester research project, and a final project, with details to follow:

Assignment	Due Date	% of grade
Katrina response paper assignment	February 13	10%
Resilience data assignment	February 27	10%
Climate litigation assignment	March 13	10%

State Legislation project	April 3	10%
Final Project	May 10	30%
Class Participation	N/A	30%

Class Participation

Class participation can be demonstrated through a combination of (1) discussion on Zoom, (2) small group discussion, (3) report out from small groups, (4) note-taking in the Google Running Notes Doc, (5) Canvas Discussion questions (one time required—sign up in pairs or individually), and (6) Canvas discussion (optional). Figure out what works for you.

Canvas Discussion

All students are required to sign up to contribute discussion questions on Canvas for one week over the course of the semester. You will work in pairs or individually. You can generate questions from the week's readings or contribute a current news story and associated question or relate current events to current readings. Discussion in response is optional, but encouraged and will contribute positively to your class participation grade. We will also consider how to pull Canvas discussion questions into class discussion (and you can do the same). **Discussion questions should be posted by 3pm on Monday of your chosen week.**

Written Assignments

Each student is required to complete four written assignments over the course of the semester, as well as a final project, which can be in the medium of your choice. Your writing should be analytic—making a specific argument rather than simply describing or summarizing the readings (though some summarizing may sometimes be necessary to make your argument). They should clearly state a thesis, argue for that thesis, and be written in a clear, engaging style that would be accessible to a broad audience, including people without prior knowledge of the subject. They should include hyperlinks to authorities where a reader would want or expect reference to some other source that backs up your statement. Before you start writing, consider an outline. And talk through your ideas with us, your classmates, or other peers.

Recommended Resources

- U.S. Global Change Research Program (USGCRP), Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II (2018) <https://nca2018.globalchange.gov>. (Links to an external site.)
- [Data for Progress](#) (Links to an external site.)
- [Atmos](#) (Links to an external site.)
- Stephen H. Schneider et al., Climate Change Science and Policy (2009) (pdf on Canvas).
- [Anthropocene Curriculum](#) (Links to an external site.)
- Dr. Ayana Elizabeth Johnson & Dr. Katharine K. Wilkinson, All We Can Save (2020) and All We Can Save [Reference List](#). (Links to an external site.)
- Octavia Butler, Parable of the Sower (1993).
- Kim Stanley Robinson, The Ministry for the Future (2020).

- Podcasts: [A Matter of Degrees](#), ([Links to an external site.](#)) [Mothers of Invention](#), ([Links to an external site.](#)) [Stories from Home: Living the Just](#) ([Links to an external site.](#)) [Transition](#), ([Links to an external site.](#)) [Climate Front Line](#), ([Links to an external site.](#)) [Octavia's Parables](#) ([Links to an external site.](#)), [Drilled](#) ([Links to an external site.](#)), [How to Save a Planet](#) ([Links to an external site.](#)), [Damages](#) ([Links to an external site.](#))

Academic Support at the StAAR Center:

The StAAR Center (formerly the Academic Resource Center and Student Accessibility Services) offers a variety of resources to all students (both undergraduate and graduate) in the Schools of Arts and Science, Engineering, the SMFA and Fletcher; services are free to all enrolled students. Students may make an appointment to work on any writing-related project or assignment, attend subject tutoring in a variety of disciplines, or meet with an academic coach to hone fundamental academic skills like time management or overcoming procrastination. Students can make an appointment for any of these services by visiting go.tufts.edu/TutorFinder, or by visiting our website (<https://students.tufts.edu/staar-center>).

Accommodations for Students with Disabilities:

Tufts University values the diversity of our students, staff, and faculty; recognizing the important contribution each student makes to our unique community. Tufts is committed to providing equal access and support to all qualified students through the provision of reasonable accommodations so that each student may fully participate in the Tufts experience. If you have a disability that requires reasonable accommodations, please contact the StAAR Center (formerly Student Accessibility Services) at StaarCenter@tufts.edu or 617-627-4539 to make an appointment with an accessibility representative to determine appropriate accommodations. Please be aware that accommodations cannot be enacted retroactively, making timeliness a critical aspect for their provision.

Student Support, including Mental Health: As a student, there may be times when personal stressors or difficulties interfere with your academic performance or well-being. The Dean of Student Affairs Office offers support and care to undergraduates and graduate students who are experiencing difficulties, and can also aid faculty in their work with students. In addition, through Tufts' Counseling and Mental Health Services (CMHS) students can access mental health support 24/7, and they can provide information on additional resources. CMHS also provides confidential consultation, brief counseling, and urgent care at no cost for all Tufts undergraduates as well as for graduate students who have paid the student health fee. To make an appointment, call 617-627-3360. Please visit the CMHS website: <http://go.tufts.edu/Counseling> to learn more about their services and resources.

Academic Integrity

All Tufts students must adhere to policies regarding academic integrity and it is critical that you understand the requirements of ethical behavior and academic work as described in the university's academic integrity handbook. If you have questions about the expectations for any assignment in the course, please ask. Here is a primer on ethical work, and the Academic Resource Center can provide additional insights. <http://students.tufts.edu/student-affairs/student-life-policies/academic-integrity-policy>[Links to an external site.](#). I expect you to hold me accountable to my faculty responsibilities; I maintain the same high expectations of all of you.

Extension Policy

With the exception of the final project, I will entertain a request for an extension if the request comes in 24 hours before the assignment is due and will grant an extension of no more than 48 hours, unless there is an extenuating circumstance. There will be no extensions granted for the final project except due to extenuating circumstances.

NOTE: While the overall arc of the course will remain the same, please continue to check the Canvas modules in anticipation of every class for any updated readings or shifts in the schedule.

Current Conditions and How We Got Here: Introduction, Systems Change, and the IPCC

January 20

Course Overview, introduction to systems basics, and introduction to justice lens

Class Reading:

- Henry Fountain & Jeremy White, [Rising from the Antarctic, a Climate Alarm \(Links to an external site.\)](#), NYTimes (Dec. 14, 2021).
- Donella Meadows, [Leverage Points: Places to Intervene in a System \(Links to an external site.\)](#) (1997).
- Nina Weitz et al., [SDGs and the environment in the EU: A systems view to improve coherence \(Links to an external site.\)](#) (Oct. 2019) (Read 1-11 and skim remaining).
- United Frontline Table, [A People's Orientation to a Regenerative Economy \(Links to an external site.\)](#)(June 2020) (Read pp 1-17 and skim remaining).

Recommended Resources:

- Climate Watch, [Global Historical Emissions \(Links to an external site.\)](#)
- Cecelia Bolon, Subin DeVar, Talia Lanckton, and Marisa Sotolongo, [Justice in 100 Scorecard \(Links to an external site.\)](#) (Jan. 2021).
- Cyndi Suarez, [Systems Change Is All about Shifting Power \(Links to an external site.\)](#), Nonprofit Quarterly (Oct. 1 2019).

January 25

CURRENT CONDITIONS AND PROJECTIONS: INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)

Class Reading:

Most of these are short. The goal is to get a sense of the role and charge of the IPCC and a general understanding of what this body has been communicating to the world and where it is headed next. Feel free to peruse the website for other materials that are of interest in addition to or instead of those listed below.

- [Info sheet: What is the IPCC?" \(Links to an external site.\)](#)

- [Principles Governing IPCC Work \(Links to an external site.\)](#).
- Special Report: Global Warming of 1.5 °C (2018). You can choose to read the
 - [Summary for Policy Makers \(Links to an external site.\)](#) or
 - [Chapter 1 \(Links to an external site.\)](#).
- Review the webpage for the [IPCC Sixth Assessment Cycle \(Links to an external site.\)](#), including the [Info sheet: The IPCC and the Sixth Assessment Cycle \(Links to an external site.\)](#).
- Review the [webpage \(Links to an external site.\)](#) for the IPCC Gender Action Plan including the [IPCC Gender Policy and Implementation Plan \(Links to an external site.\)](#).

Recommended Resources

- Robinson Meyer, [This Land is the Only Land there Is \(Links to an external site.\)](#), The Atlantic (Aug. 8, 2019), .
- Video: [IPCC Press Conference: Climate Change 2021 \(Links to an external site.\)](#) (Aug 9, 2021) [\(Links to an external site.\)](#)
- IPCC WGI Interactive Atlas, <https://interactive-atlas.ipcc.ch> [\(Links to an external site.\)](#).
- Climate Watch, [Global Historical Emissions \(Links to an external site.\)](#)
- [\(Links to an external site.\)](#)U.S. Environmental Protection Agency, “[Climate Change Indicators: Global \(Links to an external site.\) Greenhouse Gas Emissions.](#)

CURRENT CONDITIONS AND HOW WE GOT HERE: LAND USE, RISK, AND RACIAL INJUSTICE

January 27

Land Use, Risk, and Racial Injustice

- Katrina: A History (Part 1) pp 1-69.
- Brad Plumer and Nadja Popovich, How Decades of Racist Housing Policy Left Neighborhoods Sweltering, New York Times (Aug. 24, 2020) [https://www.nytimes.com/interactive/2020/08/24/climate/racism-redlining- \(Links to an external site.\) cities-global-warming.html \(Links to an external site.\)](https://www.nytimes.com/interactive/2020/08/24/climate/racism-redlining-cities-global-warming.html)

Recommended Resource:

- Jeremy S. Hoffman et al., [The Effects of Historical Housing Policies on Resident Exposure to Intra-Urban Heat: A Study of 108 US Urban Areas \(Links to an external site.\)](#), Climate (2020).
- National Center for Civil and Human Rights, [Redlining's Impact on Environmental Justice \(Links to an external site.\)](#) (Dec. 7, 2020).
- Amy Laura Cahn, [On Retiring Blight and Making Eastwick Whole](#), Harvard Civil Rights-Civil Liberties Law Review (2014).

February 1

Land Use, Risk, and Racial Injustice

- Katrina: A History (Part 2) pp 70-137
- Daniel Aldana Cohen and Max Liboiron, [New York's Two Sandys \(Links to an external site.\)](#), *Metropolitics* (October 20, 2014).
- Gustavo A. Garcia-Lopez, [The Multiple Layers of Environmental Injustice in Contexts of \(Un\)natural Disasters: The Case of Puerto Rico Post-Hurricane Maria \(Links to an external site.\)](#), 11 Environmental Justice 101-108 (2018).

Recommended Resources:

- Stacy Seicshnaydre et al., [Rigging the Real Estate Market: Segregation, Inequality, and Disaster Risk \(Links to an external site.\)](#), The Data Center (2018).
- Ta-Nahesis Coates, [The Case for Reparations \(Links to an external site.\)](#). The Atlantic. June 2014.

CURRENT CONDITIONS AND HOW WE GOT HERE: DISPLACEMENT AND HEALTH IMPACTS

Katrina Reflection paper due 2/11

February 3

Risk, Racial Injustice, Right to Return, and Resettlement

- Katrina: A History (Part 3) pp 138-197
- Hannah Perls, [U.S. Disaster Displacement In The Era Of Climate Change: Discrimination & Consultation Under The Stafford Act \(Links to an external site.\)](#), Harvard Environmental Law Review (2020).

Recommended resources:

- Andrew J. Yawn, [As Gulf swallows Louisiana island, displaced tribe fears the future \(Links to an external site.\)](#), *The American South* (Apr. 23, 2020).

February 8

Migration

- New York Times Carbon's Casualties Series:
 - [ISLE DE JEAN CHARLES, La \(Links to an external site.\)](#).
 - [TARAWA, Kiribati \(Links to an external site.\)](#)
 - [LLAPALLAPANI, Bolivia \(Links to an external site.\)](#)
 - [IN THE TENGGER DESERT, CHINA \(Links to an external site.\)](#)
 - [MIAOMIAO LAKE VILLAGE, China \(Links to an external site.\)](#)
 - [SHAKTOOLIK, Alaska \(Links to an external site.\)](#)
 - [AGADEZ, Niger \(Links to an external site.\)](#)
 - [KAKTOVIK, Alaska \(Links to an external site.\)](#)
- Amali Tower, [We Need To Talk About Climate Migration As A Justice Issue \(Links to an external site.\)](#) (July 29, 2020).
- Podcast: Sarah Stillman (as read by America Ferrera) [Like The Monarch, Human Migrations During Climate Change \(Links to an external site.\)](#) (July 22, 2021).

February 10

A Global Health Crisis

NOTE: Do a close reading of the Friel and Belser articles. Skim the other two.

- Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II, [Chapter 14: Human Health \(Links to an external site.\)](#) (2018). *Skim.*

- Sharon Friel et al., "[Addressing the Social and Environmental Determinants of Urban Health Equity: Evidence for Action and a Research Agenda \(Links to an external site.\)](#)," Journal of Urban Health, vol. 88, no. 5.
- Sellers, Sam. "[Gender and Climate Change in the United States: A Reading of Existing Research \(Links to an external site.\)](#)." Women's Environment and Development Organization and Sierra Club, 2020. *Skim*.
- Julia Watts Belser, [Disabled People Cannot Be "Expected Losses" in the Climate Crisis \(Links to an external site.\)](#), Truth Out (Sept. 20, 2019).

Recommended resources:

- Christopher W. Tessum et al. [Inequity in consumption of goods and services adds to racial-ethnic disparities in air pollution exposure \(Links to an external site.\)](#), PNAS (March 26, 2019).
- David Selby And Fumiyo Kagawa, [Climate Change and Coronavirus: A Confluence Of Two Emergencies As Learning And Teaching Challenge \(Links to an external site.\)](#), 30 Policy & Practice: A Development Education Review 104-111 (Spring 2020). [\(Links to an external site.\)](#)

CURRENT CONDITIONS AND HOW WE GOT HERE: ENERGY IS POWER

Resilience Data Assignment Due February 27th

February 15

Energy: Economics and Impact (updated 2/22/21)

- [Native Village Of Kivalina and City Of Kivalina v. Exxonmobil Corporation et al. \(Links to an external site.\)](#) Complaint for Damages & Demand for Jury Trial
- Examining the Oil Industry's Efforts to Suppress the Truth about Climate Change [Video \(Links to an external site.\)](#) (Oct. 26, 2019).
- Damian Carrington, [Fossil Fuels Subsidised by \\$10m a Minute, Says IMF \(Links to an external site.\)](#), The Guardian (May 18, 2015).
- Hiroko Tabuchi, [House Panel Expands Inquiry Into Climate Disinformation by Oil Giants \(Links to an external site.\)](#), NY Times (Oct. 28, 2021).

Recommended Resource

- [Rights of Indigenous People in Addressing Climate-Forced Displacement \(Links to an external site.\)](#), Complaint (January 15, 2020).

February 17

Energy: Costs, Benefits, and Co-Benefits

- Brian Kahn, [10 Years on, Climate Economists Reflect on Stern Review \(Links to an external site.\)](#), Climate Central (Oct. 28, 2016).
- Joseph E. Aldy, [Federal Energy-Related Tax Policy and Its Effects on Markets, Prices, and Consumers \(Links to an external site.\)](#), Prepared for the US House Committee on Energy and Commerce, Subcommittee on Energy (March 29, 2017).
- Maxine Joselow, [Experts Clash over Cost of Carbon, \(Links to an external site.\)](#) Scientific American (August 24, 2021).
- Gernot Wagner et al., [Eight priorities for calculating the social cost of carbon \(Links to an external site.\)](#), Nature (February 19, 2021).
- William Pizer et al., [Using and improving the social cost of carbon, \(Links to an external site.\)](#) Science (Dec. 5, 2014).
- Philip Landrigan et al., [Pollution prevention and climate change mitigation: measuring the health benefits of comprehensive interventions \(Links to an external site.\)](#), The Lancet (Dec. 1, 2018).

Recommended resources:

- Joseph Aldy et al., [Keep climate policy focused on the social cost of carbon \(Links to an external site.\)](#), Science (Aug. 19, 2021) .
- Nicolas Stern and Joseph Stiglitz, [The Social Cost of Carbon, Risk, Distribution, Market Failures: An Alternative Approach \(Links to an external site.\)](#), National Bureau of Economic Research (Feb. 2021).
- Bill McKibben, [To Counter Climate Change, We Need to Stop Burning Things \(Links to an external site.\)](#), The New Yorker (January 22, 2021). [\(Links to an external site.\)](#)
- Amy Sinden, [The Cost-Benefit Boomerang \(Links to an external site.\)](#), The American Prospect (Fall 2019) .

February 22

Energy: Markets, Systems, and Policy

- Baker, Introduction and Chapters 1 and 2, 1-64.
- Boston Green Ribbon Commission and Conservation Law Foundation, [A Guide to Electricity Markets, Systems, and Policy in Massachusetts](#) (Sept. 2015) (skim for the general concepts and as a resource to which you can return).
- Len Necefer, et al., [Energy Development and Native Americans](#) [Download Energy Development and Native Americans: Values and Beliefs About Energy from the Navajo Nation](#), Energy Research & Social Science 1-11 (2015).

Recommended Resource

- Podcast, [Changing Woman: One Navajo's Fight for a Just Transition \(Links to an external site.\)](#), A Matter of Degrees (Dec. 8, 2020).

[NO CLASS ON THE 24TH]

FORUMS FOR ACTION: GLOBAL GOVERNANCE AND HUMAN RIGHTS

March 1

COP26 Guest Panel. Details TBA.

March 3

- [The Paris Agreement \(Links to an external site.\)](#) (2015), skim.
- Earth Negotiations Bulletin, [Glasgow Climate Change Conference: 31 October – 13 November 2021 \(Links to an external site.\)](#) (Nov. 16, 2021).
- David Hunter, James Salzman & Durwood Zaelke, [Glasgow Climate Summit: COP26 \(Links to an external site.\)](#), Supplement To The 6th Edition, International Environmental Law And Policy (2021).
- How to Save a Planet, [We Go Inside the COP26 Climate Talks \(Links to an external site.\)](#) (Nov. 18, 2021) .

Recommended Resource:

- Chris Kromm, [Remembering Katrina as Human Rights Disaster \(Links to an external site.\)](#), Facing South (Aug. 27, 2015).

FORUMS FOR ACTION: FEDERAL

March 8

Forums for Action: Federal Courts

- [Massachusetts v. Environmental Protection Agency \(Links to an external site.\)](#), Supreme Court of the United States, 549 U.S. 497 (2007) Opinion (Stevens), Dissent (Roberts), Dissent (Scalia)
- [Kivalina v. ExxonMobil Corporation \(Links to an external site.\)](#), 696 F. 3d 849 (9th Cir. 2012).
- [Friends of Buckingham v. State Air Pollution Control Board \(Links to an external site.\)](#), No. 19-1152 (4th Cir. 2020).
- [American Lung Ass'n v. EPA \(Links to an external site.\)](#), No. 19-1140, slip op. (D.C. Cir. 2021), read only pp. 16-59.
- Somini Sengupta, [Big Setbacks Propel Oil Giants Toward a 'Tipping Point', NY Times \(Links to an external site.\)](#) (Oct. 28, 2021).
- See also Katrina Part III,

Recommended Resources:

- Dana Drugmand, [As San Francisco, Oakland Press Climate Cases, They Pay Homage to Tiny Kivalina \(Links to an external site.\)](#), The Climate Docket (Feb. 8. 2018).

- Joana Setzer and Catherine Higham, [Global Trends in Climate Change Litigation: a 2021 snapshot](#) (July 2021).

March 10

Forums for Action: Federal Executive Action

- Executive Order 13985, [Advancing Racial Equity and Support for Underserved Communities \(Links to an external site.\)](#), 86 Fed. Reg. 7,009 (Jan. 20, 2021).
- Executive Order 13990, [Protecting Public Health and the Environment and Restoring Science To Tackle the Climate Crisis \(Links to an external site.\)](#), 86 FR 7037 (Jan. 20, 2021).
- Executive Order 14008 on [Tackling the Climate Crisis at Home and Abroad \(Links to an external site.\)](#), 86 FR 7619 (Jan. 20, 2021).
- [Request for Information \(Links to an external site.\)](#) on the National Flood Insurance Program's Floodplain Management Standards for Land Management and Use, and an Assessment of the Program's Impact on Threatened and Endangered Species and Their Habitats (10/12/2021).
 - Peruse comments here: <https://www.regulations.gov/document/FEMA-2021-0024-0001/comment> (Links to an external site.)

Recommended

- [Recognizing the Duty of the Federal Government to Create a Green New Deal, \(Links to an external site.\)](#) H. R. 109, 116th Cong. (2019), § 1.
- Van den Hove, S. (2000). [Participatory approaches to environmental policy-making: the European Commission Climate Policy Process as a case study \(Links to an external site.\)](#). Ecological Economics, 33(3), 457-472.

FORUMS FOR ACTION: STATE AND LOCAL

Mid-semester assignment due March 26th

March 15

Forums for Action: State Legislation

- Baker, Chapter 3, pp 65-88.
- [Climate Leadership and Community Protection Act \(Links to an external site.\)](#): N.Y. Env't Conserv. Law § Ch. 43-B, art. 75 (McKinney 2019).
- [An Act creating a next-generation roadmap for Massachusetts climate policy \(Links to an external site.\)](#).
- Earthjustice, [Fossil Fuels Rejected: New York DEC Denies Permits for Astoria Gas-fueled Power Plant in Queens, Ne \(Links to an external site.\)w York \(Links to an external site.\)](#) (October 28, 2021).
- H.3336, [An Act relative to energy facilities siting reform to address environmental justice, climate, and public health \(Links to an external site.\)](#).

Recommended Resources:

- Hall, Galen, Trevor Culhane and J. Timmons Roberts. 2021. [“Who’s Delaying Climate Action in Massachusetts? Twelve Findings.” \(Links to an external site.\)](#) Policy Briefing, The Climate and Development Lab, Institute at Brown for Environment and Society, online at climatedevlab.brown.edu. January 2021.

March 17

Forums for Action: Local Climate Action Planning

- Isle de Jean Charles Biloxi-Chitimacha-Choctaw Tribe Tribal Chief Albert Naquin et al., [Preserving Our Place: A Community Field Guide to Engagement, Resilience, and Resettlement \(Links to an external site.\)](#): Community regeneration in the face of environmental and development pressures (2019).
- City of New Orleans, [Climate Action for a Resilient New Orleans \(Links to an external site.\)](#).
- The City of Providence’s [Climate Justice Plan](#).
- [Beat the Heat Hunting Park \(Links to an external site.\)](#).
- Rosa González, Facilitating Power in partnership with Movement Strategy Center, [The Spectrum of Community Engagement to Ownership \(Links to an external site.\)](#) (2019).

Recommended resources:

- [What Eastwick Wants? \(Links to an external site.\)](#)in Megan Haberle and Heidi Kurniawan, ed. Strategies for H Justice: Lessons from the Field, Poverty & Race Research Action Council (2018).
- Bansard, Jennifer S. et al. “Cities to the Rescue? Assessing the performance of transnational municipal networks in global climate governance.” International Environmental Agreements: Politics, Law and Economics (2016): 1-18.

[SPRING BREAK - March 22 & 24]

FORUMS FOR ACTION: MOVEMENTS

March 29

Movement Builders: A Just Transition

- Baker, Chapter 3, pp. 65-88.
- Revisiting United Frontline Table, [A People’s Orientation to a Regenerative Economy \(Links to an external site.\)](#) (June 2020) .
- Kumi Naidoo, [As students, we helped defeat apartheid. The climate strikers can win their fight too \(Links to an external site.\)](#), The Guardian (Mar. 15, 2019).

Recommended Resources:

- Nylah Burton, [Meet the young activists of color who are leading the charge against climate disaster \(Links to an external site.\)](#), Vox (Oct. 11, 2019). [\(Links to an external site.\)](#)
- Jenny Ritchie (2020) Movement from the margins to global recognition: climate change activism by young people and in particular indigenous youth, International Studies in Sociology of Education, DOI: 10.1080/09620214.2020.1854830
- [Renew New England Policy Framework \(Links to an external site.\)](#).
- [Bluegreen Alliance, Solidarity for Climate Action \(Links to an external site.\)](#).

March 31

Movements Part II

As a group, you will have input on where we focus this class.

CHANGING SYSTEMS

April 5

Energy Part II

- Baker, Chapter 4-Conclusion, 89-176.
- John Farrell, [City Power Play: 8 Practical Local Energy Policies to Boost the Economy \(Links to an external site.\)](#) (Sept. 2013).

Recommended Resources:

- Rachel Layne, [How one small city sowed the seeds for its own Green New Deal \(Links to an external site.\)](#) (March 8, 2019).
- David Fullbrook. 2013. [Power Shift](#) [_Download Power Shift: Emerging Prospects for Easing Electricity Poverty in Myanmar with Distributed Low-Carbon Generation. *Journal of Sustainable Development* 6\(5\) : 65-72. \(on Canvas\)](#)
- [American Jobs Plan Summary](#) [_Download American Jobs Plan Summary, Holland & Knight](#)

April 7

Changing Systems: Nature-based Solutions

- Paola Rosa-Aquino, [To share or not to share? Tribes risk exploitation when sharing climate change solutions. \(Links to an external site.\) \(Links to an external site.\)](#) (Nov 21, 2018).
- George Nicholas, [When Scientists “Discover” What Indigenous People Have Known For Centuries \(Links to an external site.\) \(Links to an external site.\)](#), Smithsonian Magazine (Feb. 21, 2018).
- If Not Us Then Who Project
 - [Demands \(Links to an external site.\) \(Links to an external site.\)](#)

- [Theory and Roadmap \(Links to an external site.\)](#) ([Links to an external site.](#))

[Watch \(Links to an external site.\)](#) ([Links to an external site.](#)): pick one or two short films to watch.

April 12

Changing Systems: Nature-based Solutions

- Nathalie Seddon et al., [Getting the message right on nature-based solutions to climate change \(Links to an external site.\)](#) ([Links to an external site.](#)) (Feb. 1, 2021).
- The Nature of Cities, [To whom does a city's nature belong? Is it a common pool resource, or a public good? And who decides? \(Links to an external site.\)](#) ([Links to an external site.](#)) (May 8, 2017).
- Review readings from Forums for Action: Local Climate Action Planning

Recommended Resources

- Filka Sekulova, The Governance of Nature-based Solutions in the City at the Intersection of Justice and Equity: Introduction to the Special Issue, Cities (May 2021).
- Joshua J. Cousins, Justice in nature-based solutions: Research and pathways, Ecological Economics (October 2020).

April 14

Stuff and Waste: life cycle of plastic and producer responsibility

Guest Lecture: Kirstie Pecci, Senior Fellow and Director of the Zero Waste Project, Conservation Law Foundation

- Laura Sullivan, [How Big Oil Misled The Public Into Believing Plastic Would Be Recycled \(Links to an external site.\)](#), NPR (Sept. 11, 2020).
- Audio version of the story is [here \(Links to an external site.\)](#): Laura Sullivan, Wasteland (Sept. 11, 2020).
- The Story of Stuff Project, [The Story of Plastic: How Plastic Production Pollutes Small Towns \(Links to an external site.\)](#) (Sept. 12, 2018) (4:38).

Recommended Resource (HIGHLY recommended)

[The Story of Plastic \(Links to an external site.\)](#) / a film by Deia Schlosberg - Available for free on the [Tufts Digital Library](#) [Links to an external site.](#).

April 19

Housing, Neighborhoods, and Community Resilience and Preservation

We are going to discuss the following questions:

- We read New York State’s Climate Leadership and Community Protection Act. How would you define community protection at a local level—for housing and neighborhoods?
- How are climate action and community protection in tension at a local level? What are some strategies and tactics to ensure that one bolsters the other?
- What is green gentrification? Climate gentrification? How would you propose to mitigate these phenomena?

Recommended Resources

Emilia Oscilowicz et al., [Policy and Planning Tools for Urban Green Justice \(Links to an external site.\)](#) (2021) pp. 1-29 and pick one or two tools or simulations to review.

Explore this site for awareness of research questions, approaches, and resources: Urban Displacement Project: <https://www.urbandisplacement.org/>. [\(Links to an external site.\)](#) For example:

- [The Urban Displacement Replication Project: A Modified Gentrification and Displacement Methodology for the Atlanta, Chicago, Denver, and Memphis SPARCC regions \(Links to an external site.\)](#) (2020).
- [Climate Change and Displacement in the U.S. – A Review of the Literature \(Links to an external site.\)](#) (2020).

Melissa Garcia-Lamarca et al., [Urban green boosterism and city affordability: For whom is the ‘branded’ green city? \(Links to an external site.\)](#) Urban Studies (Dec. 2019). (h/t Caesar)

Patrick Sisson, [As sea level rises, Miami neighborhoods feel rising tide of gentrification \(Links to an external site.\)](#), Curbed (Feb. 10, 2020).

April 21

Changing Systems: Transportation

We will focus our discussion around these questions:

- What is the role of transportation systems change in addressing the climate crisis?
- What are the roles of public resources, infrastructure, and regulation at each level of government?
- What are some emergent trends—and are they responding most effectively to the crisis at hand?
- What is the role of transportation systems change in reparative justice?
- What are the solutions that resonate with you?

Some recommended resources (choose your own adventure as you think about these questions):

- [Go Boston 2030 \(Links to an external site.\)](#).

- [Philadelphia's Municipal Clean Fleet Plan \(Links to an external site.\)](#) (2021).
- Federal Transit Administration: Bipartisan Infrastructure Law: <https://www.transit.dot.gov/BIL> (Links to an external site.)
- Grist on Transportation and Climate: <https://grist.org/cities/transportation/> (Links to an external site.)

For future reference: Karilyn Crockett, [People before Highways \(Links to an external site.\) Boston Activists, Urban Planners, and a New Movement for City Making \(Links to an external site.\)](#) (2018)

April 26

Changing Systems: Food and Agriculture

- **Laura Lengnick: Director of Agriculture at the Glynwood Center for Regional Food and Farming & Founder/Principal at Cultivating Resilience**

Recommended readings:

- [The Agricultural Resilience Act \(Links to an external site.\)](#) (could just watch the video!)
- [Regenerative Agriculture \(Links to an external site.\)](#): A Radical, Revolutionary, Indigenous Concept

April 28

Where We Go Next

Final Class

Excerpt: "Emergent Strategies" - adrienne maree brown, The Laura Flanders Show (Nov. 1, 2017) <https://www.youtube.com/watch?v=IyN76oTt67M>.

Final project due May 10