

Protecting Our Air and Water

Class Schedule and Syllabus

OLLI Winter 2021

Date	Topics	For a Deeper Dive
March 23	Overview: Follow the History, evaluate results, introducing science and policy in context <ul style="list-style-type: none"> • The Industrial Revolution and energy • Up in smoke - 1900-1950s • A growing Environmental Consciousness - the 1960s • 1970- Earth Day, CEQ, EPA and the Air Act • Clean Air Act “Theory” 	<i>Critical Review</i> - 20 th Century Air Pollution p 655-667 <i>HCP Air Report</i> -Introduction, sections 1 and 2; Appendix 39-41
March 30	<ul style="list-style-type: none"> • What are “Criteria” Pollutants? • Evaluating the pre-NAAQS era <ul style="list-style-type: none"> -Was a federal program needed? • Implementation Issues <ul style="list-style-type: none"> -Early successes and growing problems -Time for accountability • Let’s have a moment of science! <ul style="list-style-type: none"> -Atmospheric chemistry/transport • The First US Ambient Air Standards - Overview 	<i>Critical Review</i> -p 667-676; <i>HCP Air Report</i> -sections 3 and 5, Glossary
April 6	<ul style="list-style-type: none"> • Revisionist History 1978-1989 • Evaluating the post NAAQS era 1980-90 <ul style="list-style-type: none"> - PM/SO₂/NO₂/CO/Lead progress -Why ozone programs were not working - No Acid Rain program - Limited regulation of Hazardous Pollutants 	<i>Critical Review</i> -Revisionist History p 676-683; Riding the Waves 684-689 <i>HCP Air Report</i> -Introduction, sections 1 and 2; Appendix 39-41
April 13	<ul style="list-style-type: none"> • Clean Air Act Amendments of 1990 • New science on health effects of PM and Ozone - and new standards • Evaluating major successes 1990 to 2020 • Accountability • Remaining Challenges 	<i>Critical Review</i> -New Challenges: Back to the Future p 690-692. <i>HCP Air Report</i> -Sections 6-8; p 24-34 Earth Day Music Video
April 20	<ul style="list-style-type: none"> • Overview of Protecting Water Resources Guest Lecture by Bob Wayland	HCP Document - Water Quality Eno River Video