

Share this:

## Sustainability-Focused Courses

Sustainability-focused courses concentrate on the concept of sustainability, including its social, economic, and environmental dimensions, or examine an issue or topic using sustainability as a lens.

### CENTER FOR AFRICAN AMERICAN STUDIES

Course Number	Course Name	Faculty
AAS 337/ENV 337	Liberation Ecology: Politics and Policy in the Creation of a Just Green Economy	Jones, Van
AAS 350/ENV 350/POL 338	African American Studies: Environmental Justice	Smith, Kimberly and Harris-Lacewell, Melissa

### AFRICAN STUDIES

Course Number	Course Name	Faculty
AFS 375	Science, Technology, and African Development	Sagna, Mahamadou L. and Soboyejo, Winston

### AMERICAN STUDIES

Course Number	Course Name	Faculty
AMS 307/ENV 317	The Art of Sustainability	Price, Jennifer
AMS 353/ENG 355	Moby Dick Unbound	Howarth, William

### ANTHROPOLOGY

Course Number	Course Name	Faculty
ANT 314	The Anthropology of Development (SA)	Rouse, Carolyn
GHP 350/ WWS 491/ANT 491	Critical Perspectives on Global Health and Health Policy	Bieh, Joao

### ARCHITECTURE

Course Number	Course Name	Faculty
ATL 497/VIS 497/ARC 497	Princeton Atelier - Princeton Student Colony: Art, Ecology & Architecture	Wood, Dan & Haeg, Fritz

### ASTROPHYSICAL SCIENCES

Course Number	Course Name	Faculty
AST 309/MAE 309/PHY 309	Nuclear Energy in a Carbon-Constrained World: Fission and Fusion	Glaser, Alexander and Goldston, Robert J.

### ATELIER

Course Number	Course Name	Faculty
ATL 496/THR 496/ENV 496	Princeton Atelier - Environmental Documentary & Music Theater	Cosson, Steve and Friedman, Michael
ATL 497/VIS 497/ARC 497	Princeton Atelier - Princeton Student Colony: Art, Ecology & Architecture	Wood, Dan & Haeg, Fritz

## ATMOSPHERIC AND OCEANIC SCIENCES

Course Number	Course Name	Faculty
AOS 557/GEO 577	Weather and Climate Dynamics	Lau, Ngai-Cheung

## CENTER FOR HUMAN VALUES

Course Number	Course Name	Faculty
ENV 352/CHV 352	Environmental, Ecological, and Climate Justice (EM)	Schlosberg, David

## CHEMISTRY

Course Number	Course Name	Faculty
MAE 228/EGR 228/CHE 228	Energy Solutions for the Next Century	Ju, Yiguang and Jay Benziger
CEE 311/CHM 311/GEO 311	Global Air Pollution	Zondlo, Mark A.
GEO 331/CHM 331/ENV 331	Intro to Environmental Global Chemistry: Chemistry of the Natural Systems (STX)	Myeni, Satish
CHM 333/ENV 333	Oil to Ozone: Chemistry of the Environment	Morel, Francois
CHM 525/ENV 525	Production of Renewable Fuels and Energy	Dismukes, Gerard C.

## CIVIL AND ENVIRONMENTAL ENGINEERING

Course Number	Course Name	Faculty
ENV 302/CEE 302/EEB 302	Advanced Analysis of Environmental Systems	Celia, Michael and Hedin, Lars
CEE 303/ENV 303/URB 303	Introduction to Environmental Engineering	Bou-Zeid, Elie and Celia, Michael A.
CEE 307/EEB 305	Field Ecohydrology (Kenya)	Caylor, Kelly
CEE 311/CHM 311/GEO 311	Global Air Pollution	Zondlo, Mark A.
GEO 361/CEE 360/ENV 361	Physics of the Ocean and Atmosphere	Philander, George
CEE 445	Air Quality and Aerosol Processes	Zondlo, Mark A.
GEO 450/CEE 450/ENV 450	Earth Surface Processes	Malool, Adam
CEE 471/GEO 471/URB 471	Intro to Water Pollution Technology	Jaffa, Peter
CEE 477	Engineering Design for Sustainable Development	Harris, Robert
CEE 477	Environmental and Civil Engineering Systems Planning and Design	Wood, E.
ENV 531/GEO 531/CEE 583	Topics in Energy and the Environment: Making the Most of Scarce Hydrocarbon Resources	Smith, Michael
CEE 587/ENV 587	Ecohydrology	Rodriguez-Iturbe, I.

## ECOLOGY AND EVOLUTIONARY BIOLOGY

Course Number	Course Name	Faculty
ENV 302/CEE 302/EEB 302	Advanced Analysis of Environmental Systems	Celia, Michael and Hedin, Lars
ENV 304/ECO 328/EEB 304	Disease Ecology, Economics, and Policy	Laxminarayan, Ramanan and Grenfell, Bryan
CEE 307/EEB 305	Field Ecohydrology (Kenya)	Caylor, Kelly

EEB 308	Conservation Biology	Biology Staff
EEB 312/ENV 312	Marine Biology	Gould, J.
EEB 341/ENV 341	Water, Savannahs and Society: Sustainability in African Drylands	King, Elizabeth
EEB 380	Ecology and Conservation on African Landscapes (Kenya) (ST)	Riginos, Corinna and Muruthi, Philip
EEB 417A/ENV 417A	Ecosystems and Global Change	Hedin, Lars

**ECONOMICS**

Course Number	Course Name	Faculty
ENV 304/ECO 328/EEB 304	Disease Ecology, Economics, and Policy	Laxminarayan, Ramanan and Grenfell, Bryan
ECO 329/ENV 319	Environmental Economics	Brunnermeier, Smita
ENV 326/ECO 326	Seminar in Sustainable Development	Somanathan, E.
GEO 331/CHM 331/ENV 331	Intro to Environmental Global Chemistry: Chemistry of the Natural Systems (STX)	Myeni, Salish
ECO 429	Issues in Environmental and Natural Resources Economics	Brunnermeier, Smita
ENV 528/ECO 528	Topics in Environmental and Development Economics	Somanathan, E.

**ELECTRICAL ENGINEERING**

Course Number	Course Name	Faculty
ELE 431/MAE 431/ENV 431/ EGR 431	Solar Energy Conversion	Wagner, Sigurd and Carter, Emily

**ENGINEERING**

Course Number	Course Name	Faculty
MAE 228/EGR 228/CHE 228	Energy Solutions for the Next Century	Ju, Yiguang and Jay Benziger
MAE 244/EGR 244	Introduction to Biomedical Innovation and Global Health	Malatesta, Karen and Soboyejo, Winston
ENV 324/EGR 324	Environmental Entrepreneurship	van der Vink, Gregory
MAE 328/EGR 328/ENV 328	Energy for a Greenhouse-Constrained World	Socolow, Robert
ELE 431/MAE 431/ENV 431/ EGR 431	Solar Energy Conversion	Wagner, Sigurd and Carter, Emily

**ENGLISH**

Course Number	Course Name	Faculty
AMS 353/ENG 355	Moby Dick Unbound	Howarth, William

**ENVIRONMENTAL STUDIES**

Course Number	Course Name	Faculty
GEO 102B/ENV 102B	Climate: Past, Present and Future	Bender, Michael, Sigman, Daniel, and Vallis, Geoffrey
ENV 201	Fundamentals of Environmental Studies: Population, Land Use, Biodiversity, and Energy	Hedin, Wilcove, Zerba

ENV 202	Fundamentals of Environmental Studies: Climate, Air Pollution, Toxics and Water	Ward, Bess, B.
ENV 204A/ GEO 104A and ENV 204B/ GEO 104B	Global Warming: Causes, Consequences, Policy Responses	Oppenheimer, Michael and Zerba, Eileen
NES 266/ ENV 266	Oil, Energy and the Middle East (SA)	Haykel, Bernard
ENV 302/ CEE 302/ EEB 302	Advanced Analysis of Environmental Systems	Cefia, Michael and Hedin, Lars
CEE 303/ ENV 303/ URB 303	Introduction to Environmental Engineering	Bou-Zeid, Elle and Cefia, Michael A.
ENV 304/ ECO 328/ EEB 304	Disease Ecology, Economics, and Policy	Laxminarayan, Ramanan and Grenfell, Bryan
ENV 305	Building American Style: Land-Use Policies and Rules	Popper, Frank & Deborah
ENV 306	Topics in Environmental Studies: American Environmental History (HA)	Popper, Frank J.
ENV 307	Agriculture and Food: A Foundation for Living	Morin, Xenia
ENV 310	Environmental Law and Moot Court (SA)	Hawkins, G.
ENV 311	Business of Oil and Gas: A Global Perspective	Vann, Ian
EEB 312/ ENV 312	Marine Biology	Gould, J.
ENV 314	Environmental Policy and Natural Resources in Eastern Europe and the European Union	Pepo, Pal
ENV 316	Communicating Climate Change	Lemonick, Michael and Cullen, Heidi
AMS 307/ ENV 317	The Art of Sustainability	Price, Jennifer
GEO 318/ ENV 318	Observing the Marine Environment	Sigman, D.
ECO 329/ ENV 319	Environmental Economics	Brunnermeier, Smita
ENV 320	Feeding the World While Saving the Planet	Searchinger, Timothy D.
GEO 323/ ENV 323	Earth System Science I: The Atmosphere and Ocean in Motion	Philander, George
ENV 324/ EGR 324	Environmental Entrepreneurship	van der Vink, Gregory
MAE 328/ EGR 328/ ENV 328	Energy for a Greenhouse-Constrained World	Socolow, Robert
GEO 363/ CHM 331/ ENV 331	Environmental Geochemistry: Chemistry of the Natural Systems	Myeni, Satish
CHM 333/ ENV 333	Oil to Ozone: Chemistry of the Environment	Morel, Francois
AAS 337/ ENV 337	Liberation Ecology: Politics and Policy in the Creation of a Just, Green Economy	Jones, Van
ENV 326/ ECO 326	Seminar in Sustainable Development	Somanathan, E.
WWS 334/ ENV 334	Global Environmental Issues (SA)	Mauzerall, Denise L.
GEO339/ ENV 339/ WWS 335	Climate Change: Scientific Basis, Policy Implications	Oppenheimer, Michael
ENV 340	Environmental Challenges and Sustainable Solutions (ST)	Zerba, Eileen
EEB 341/ ENV 341	Water, Savannas and Society: Sustainability in African Drylands	King, Elizabeth
AAS 350/ ENV 350/ POL 338	African American Studies: Environmental Justice	Smith, Kimberly and Harris-Lacawell, Melissa
ENV 352/ CHV 352	Environmental, Ecological, and Climate Justice (EM)	Schlosberg, David
ENV 360/ MOL 360	Biotech Plants and Animals: Frankenfood or Important Innovations?	Morin, Xenia
GEO 361/ CEE 360/ ENV 361	Physics of the Ocean and Atmosphere	Philander, George
GEO 399/ ENV 399	Environmental Decision Making	van der Vink, Gregory

ENV 402	Environmental History: Darwin in Our Time	Howarth, William
EEB 417A/ENV 417A	Ecosystems and Global Change	Hedin, Lars
ELE 431/MAE 431/ENV 431/ EGR 431	Solar Energy Conversion	Wagner, Sigurd and Carter, Emly
HIS 431/ENV 433	Comparative Environmental History	Kreike, Emmanuel
JRN 441/ENV 441	The McGraw Seminar in Writing - Measuring the Green Fuse: Writing about Science and Nature	Gorman, James
GEO 450/CEE 450/ENV 450	Earth Surface Processes	Malool, Adam
NES 470/ENV 470	Food Security in the Middle East	Woertz, Eckart
ATL 496/THR 496/ENV 496	Princeton Atelier - Environmental Documentary & Music Theater	Cosson, Steve and Friedman, Michael
GEO 499/ENV 499	Environmental Change, Poverty and Conflict	van der Vink, Gregory
ENV 524/GEO 524	Environmental Issues Seminar: Science Communication	Morel, Francois
CHM 525/ENV 525	Production of Renewable Fuels and Energy	Dismukes, Gerard C.
ENV 528/ECO 528	Topics in Environmental and Development Economics	Somanathan, E.
NES 530/ENV 530	Political Economy of Arab Gulf Countries	Woertz, Eckart
ENV 531/GEO 531/CEE 583	Topics in Energy and the Environment: Making the Most of Scarce Hydrocarbon Resources	Smith, Michael
CEE 587/ENV 587	Ecology	Rodriguez-Iturbe, I.
ENV ST01	Towards an Ethical CO2 Emissions Trajectory for Princeton	Kreutz, Tom
ENV ST02	Farm to Fork: The State of America's Food System Today	Popper, Deborah
ENV ST03	Communicating Sustainability: Critical Reporting of the Sustainability Experience	Lemonick, Michael
ENV ST04	Environmental Entrepreneurship	van der Vink, Gregory

## FRESHMAN SEMINARS

Course Number	Course Name	Faculty
FRS 105	Water: Keystone for Sustainable Development	Rodriguez-Iturbe, Ignacio
FRS 108	Food and the Planet	Searchinger, Tim
FRS 122	The Everglades Today and Tomorrow: Global Change and the Impact of Human Activities on the Biosphere (ST)	Morel-Kraepiel, Anne
FRS 124	When Cows Go Crazy: The Inextricable Link Between Human and Animal Health	Kahn, Laura
FRS 136	Living in a Polluted Greenhouse (SA)	Mauzerall, Denise
FRS 143	Walden in our Time	Howarth, William
FRS 149	Earth's Changing Surface and Climate	Malool, Adam; Simons, Frederik; Phinney, Robert
FRS 158	The Hedgehog and the Fox: How Nelson Mandela Can Help Us Cope with Global Warming	Philander, George
FRS 162	Economics of Environmental Protection	Brunnemeier, Smita
FRS 167	Science and Technology for a Sustainable Energy Future	Arnold, Craig B.
FRS 175	Signals, Yardsticks, and Tipping Points of Global Warming	Zerba, Eileen
FRS 184	Materials and Technology for a Sustainable Energy Future (ST)	Arnold, Craig B.

## GEOSCIENCES

Course Number	Course Name	Faculty
GEO 102B/ENV 102B	Climate: Past, Present and Future	Bender, Michael, Sigman, Daniel, and Vallis, Geoffrey
ENV 204A/ GEO 104A and ENV 204B/GEO 104B	Global Warming: Causes, Consequences, Policy Responses	Oppenheimer, Michael and Zerba, Eileen
CEE 311/CHM 311/GEO 311	Global Air Pollution	Zondlo, Mark A.
GEO 318/ENV 318	Observing the Marine Environment	Sigman, D.
GEO 323/ENV 323	Earth System Science I: The Atmosphere and Ocean in Motion	Philander, George
GEO 331/CHM 331/ENV 331	Intro to Environmental Global Chemistry: Chemistry of the Natural Systems (STX)	Myeni, Satish
GEO339/ENV 339/WWS 335	Climate Change: Scientific Basis, Policy Implications	Oppenheimer, Michael
GEO 361/CEE 360/ENV 361	Physics of the Ocean and Atmosphere	Philander, George
GEO 363/CHM 331/ENV 331	Environmental Geochemistry: Chemistry of the Natural Systems	Myeni, Satish
GEO 399/ENV 399	Environmental Decision Making	van der Vink, Gregory
GEO 430	Climate and Terrestrial Biosphere	Medvigy, David
GEO 450/CEE 450/ENV 450	Earth Surface Processes	Malool, Adam
GEO 470/CHM 470	Environmental Chemistry of Soils	Myneni, S.
CEE 471/GEO 471/ URB 471	Intro to Water Pollution Technology	Jaffe, Peter
GEO 499/ENV 499	Environmental Change, Poverty and Conflict	van der Vink, Gregory
ENV 524/GEO 524	Environmental Issues Seminar: Science Communication	Morel, Francois
ENV 531/GEO 531/CEE 583	Topics in Energy and the Environment: Making the Most of Scarce Hydrocarbon Resources	Smith, Michael
AOS 557/GEO 577	Weather and Climate Dynamics	Lau, Ngar-Cheung

## GLOBAL HEALTH AND HEALTH POLICY

Course Number	Course Name	Faculty
GHP 350/ WWS 491/ANT 491	Critical Perspectives on Global Health and Health Policy	Biehl, Joao

## HISTORY

Course Number	Course Name	Faculty
HIS 422	Energy and Empire	Barak, On
HIS 431/ENV 433	Comparative Environmental History	Kreike, Emmanuel

## JOURNALISM

Course Number	Course Name	Faculty
JRN 441/ENV 441	The McGraw Seminar in Writing - Measuring the Green Fuse: Writing about Science and Nature	Gorman, James
JRN 449	The Journalism of Energy and Global Warming (SA)	Maass, Peter

## MECHANICAL AND AEROSPACE ENGINEERING

Course Number	Course Name	Faculty
---------------	-------------	---------

MAE 228/EGR 228/CHE 228	Energy Solutions for the Next Century	Ju, Yiguang and Jay Benziger
MAE 244/EGR 244	Introduction to Biomedical Innovation and Global Health	Malatesta, Karen and Soboyejo, Winston
AST 309/MAE 309/PHY 309	Nuclear Energy in a Carbon-Constrained World: Fission and Fusion	Glaser, Alexander and Goldston, Robert J.
MAE 328/EGR 328/ENV 328	Energy for a Greenhouse-Constrained World	Socolow, Robert
MAE 423	Heat Transfer	Dryer, Frederick
MAE 426	Rocket and Air-Breathing Propulsion Technology	Ju, Yiguang
MAE 427	Energy Conversion & the Environment: Transportation Applications	Dryer, Frederick
ELE 431/MAE 431/ENV 431/ EGR 431	Solar Energy Conversion	Wagner, Sigurd and Carter, Emily
MAE 436	Global Technology (Kenya)	Soboyejo, Winston
MAE 527	Topics in Energy Engineering, Economics and Policy	Glaser, Alexander
WWS 585/MAE 580	Topics in Science, Technology, and Environmental Policy: Living in a Greenhouse	Socolow, Robert

**MOLECULAR BIOLOGY**

Course Number	Course Name	Faculty
ENV 360/MOL 360	Biotech Plants and Animals: Frankenfood or Important Innovations?	Morin, Xenia
MOL 425/WWS 474	Infection: Biology, Burden, Policy	Mahmoud, Adel; Shenk, Thomas; Singer, Burton

**NEAR EASTERN STUDIES**

Course Number	Course Name	Faculty
NES 265/POL 268	Political & Economic Reform in the Middle East (SA)	Taylor, Julie
NES 268/ENV 268	Oil, Energy and the Middle East (SA)	Haykel, Bernard
NES 368/POL 437	Oil Politics in the Middle East	Taylor, Julie
NES 470/ENV 470	Food Security in the Middle East	Woertz, Eckart
NES 530/ENV 530	Political Economy of Arab Gulf Countries	Woertz, Eckart

**PHYSICS**

Course Number	Course Name	Faculty
AST 309/MAE 309/PHY 309	Nuclear Energy in a Carbon-Constrained World: Fission and Fusion	Glaser, Alexander and Goldston, Robert J.

**POLITICS**

Course Number	Course Name	Faculty
NES 265/POL 268	Political & Economic Reform in the Middle East (SA)	Taylor, Julie
AAS 350/ENV 350/POL 338	African American Studies: Environmental Justice	Smith, Kimberly and Harris-Lacewell, Melissa
POL 351	Politics in the Developing Countries	Lieberman, Evan
NES 368/POL 437	Oil Politics in the Middle East	Taylor, Julie

**THEATER**

Course Number	Course Name	Faculty
ATL 496/THR 496/ENV 496	Princeton Atelier - Environmental Documentary & Music Theater	Cosson, Steve and Friedman, Michael

**URBAN STUDIES**

Course Number	Course Name	Faculty
CEE 303/ENV 303/URB 303	Introduction to Environmental Engineering	Bou-Zeid, Elie and Celia, Michael A.
CEE 471/GEO 471/URB 471	Intro to Water Pollution Technology	Jaffe, Peter

**VISUAL ARTS**

Course Number	Course Name	Faculty
ATL 497/VIS 497/ARC 497	Princeton Atelier - Princeton Student Colony: Art, Ecology & Architecture	Wood, Dan & Haeg, Fritz

**WOODROW WILSON SCHOOL**

Course Number	Course Name	Faculty
WWS 316	Environmental History	Singer, Burton
WWS 334/ENV 334	Global Environmental Issues (SA)	Mauzerall, Denise L.
GEO339/ENV 339/WWS 335	Climate Change: Scientific Basis, Policy Implications	Oppenheimer, Michael
MOL 425/WWS 474	Infection: Biology, Burden, Policy	Mahmoud, Adel; Sherk, Thomas; Singer, Burton
WWS 476	Special Topics in Public Affairs: The Economics of Health Policy in Developing Countries	Hammer, Jeffrey
GHP 350/ WWS 491/ANT 491	Critical Perspectives on Global Health and Health Policy	Biehl, Joao
WWS 568	Economics of Health in Developing Countries	Hammer, Jeffrey
WWS 582E	Topics in Applied Economics: Energy Economics	Craft, Amy B.
WWS 585/MAE 580	Topics in Science, Technology, and Environmental Policy: Living in a Greenhouse	Socolow, Robert
WWS 586D	Topics in Science, Technology, and Environmental Policy: Global Environmental Governance	Oppenheimer, Michael
WWS 593H	Topics in Policy Analysis: Saudi Arabia: Security, Energy, and U.S. Policy	Bouceck, Christopher
WWS 594L	Topics in Policy Analysis: Global Energy	Luciani, Giacomo
WWS 594Q	Topics in Policy Analysis - The Future of Nuclear Energy	Glaser, Alexander

Share this

Feedback: [pei@princeton.edu](mailto:pei@princeton.edu)

Last update: January 13, 2012 · Enter edit mode

© 2012 The Trustees of Princeton University  
Princeton Environmental Institute  
an equal opportunity institution