

Environmental Related Courses

<http://www.cmu.edu/steinbrenner/education/environment-related-courses.html>

Academic year 2016/17

Architecture

48315 Environment I: Climate & Energy / Loftness, Vivian (Fall)

48448 History of Sustainable Architecture / Rosenblum, Charles (Spring)

48720 Planning by Design: Campuses, Waterfronts, Districts, and Cities / Gastil, Ray (Spring)

48721 Building Controls and Diagnostics / Karaguzel, Omer (Spring)

48722 Building Performance Modeling/ Karaguzel, Omer (Fall)

48723 Performance of Advanced Building Systems / Hartkopf, Volker (Spring)

48731 Sustainable Design Synthesis Prep / Loftness, Vivian (Spring); Cupkova, Dana (Fall)

48732 Sustainable Design Synthesis / Abdul-Aziz, Azizan (Spring); Cupkova, Dana (Fall)

48752 Zero Energy Housing / Baird, Nina (Spring)

48795 LEED, Green Design and Building Rating in Global Context / Baird, Nina (Fall)

Art

60358 Art and Biology / Maurides, Patricia (Spring)

Business Administration

70332 Business, Society and Ethics / Kim, Tae Wan (Spring); Tungate, David (Fall)

CMU University-wide studies

99245 Energy: Science, Society and Communication / Alba, William (Spring)

99151 Privilege, Responsibility, and Community / Chickering, David (Fall)

CFA Interdisciplinary

62484 Growing Theatre Community Outreach / Mundell, Ann (Fall)

Chemical Engineering

06365/19365 Water Technology Innovation and Policy / Mauter, Meagan

Chemistry

09510/09710 Chemistry and Sustainability / Collins, Terrence / Spring

CIT Interdisciplinary

39610 Energy Conversion and Supply / Picard, Yoosuf (Fall)

39611 Energy Demand and Utilization / Samaras, Costa (Spring)

39612 Energy Policy and Economics / Whitacre, Jay (Spring)

39613 Energy Transport and Storage / Landis, David (Fall)

Civil & Environmental Engineering

12100 Introduction to Civil and Environmental Engineering / Thompson, James (Spring); Samaras, Costa (Fall)

12201 Geology / Kilburg, James (Spring)

12351 Environmental Engineering / Mauter, Meagan (Spring)

12352 Environmental Engineering Lab / Dzombak, David (Spring)

12651/19751/24626 Air Quality Engineering / Adams, Peter / Sullivan, Ryan (Spring)

12657 Water Resource Systems Engineering / Cohon, Jared (Spring)

12702 Fundamentals of Water Quality Engineering / Lowry, Gregory (Fall)

12712/19717 Introduction to Sustainable Engineering / VanBriesen, Jeanne (Fall)

12714/19714 Environmental Life Cycle Assessment / DiPietro, Gwen (Spring)

12718 Environmental Engineering, Sustainability, and Science Project / Karamalidis, Athanasios (Spring)

12720 Water Resources Chemistry / Karamalidis, Athanasios (Fall)

12724 Biological Wastewater Treatment / Gregory, Kelvin (Spring)

12726 Mathematical Modeling of Environmental Quality Systems / Adams, Peter (Spring)

12728 Remediation Engineering / Wice, Richard (Spring)

12730 Special Topics: Environmental Nanotechnology / Lowry, Gregory (Spring)

12747 Sustainable Buildings / Flynn, Katharine (Fall)

12748 Mechanical and Electrical System Design for Buildings / Mattern, Gerry (Fall)

12749 Special Topics: Climate Change Adaptation / Samaras, Costa (Spring)

12765/19648 Special Topics: International Climate Adaptation / Klima, Kelly (Spring)

12781 Fundamentals of Atmospheric Aerosols / Adams, Peter (Fall, every other year)

Design

51172 Systems / Scott, Katherine (Spring)

51371 Futures / Scupelli, Peter (Fall)

51386/786 Holism and Design / Kossoff, Gideon (Spring)

51396/796 Design Ethos and Action / Scupelli, Peter (Spring)

Dietrich College Information Systems

67353 IT & Environmental Sustainability / Weinberg, Randy (Spring)

Drama

54381 Special Topics in Drama: History, Literature and Criticism: Ecodrama / Arons, Wendy (Fall)

Electrical & Computer Engineering

18875 Engineering and Economics of Electric Energy Systems / Ilic, Jovan (Spring)

18372 Fundamental Electrical Power Systems / Ilic, Jovan (Spring)

18743 Energy Aware Computing / Marculescu, Diana (Fall)

Engineering & Public Policy

06365/19365 Water Technology Innovation and Policy / Mauter, Meagan

19421/624 Emerging Energy Policies / Stine, Deborah (Spring)

19424 Energy and the Environment / Rubin, Edward (Fall)

19440/19740/24425/24740 Combustion and Air Pollution Control / Presto, Albert (Fall)

19472/18372 Fundamental Electrical Power Systems / Ilic, Jovan (Spring)

19648/12765 Special Topics: International Climate Adaptation / Klima, Kelly (Spring)

19653/24640 Climate Change Mitigation / Azevedo, Ines; Robinson, Allen (Spring)

19656 Special Topics: Current Issues in EPP: CO₂ Capture and Sequestration / Mantripragada, Hari; Zhai, Haibo (Spring)

19665 Environmental Politics and Policy / Stine, Deborah (Fall)

19666 Energy Policy and Economics / Whitacre, Jay (Spring)

19696 Sustainable Development and Innovation / Zaidi, Mohammad (Fall)

19714 Environmental Life Cycle Assessment / DiPietro, Gwen (Spring)

19717/12712 Introduction to Sustainable Engineering / VanBriesen, Jeanne (Fall)

19726 Mathematical Modeling of Environmental Quality Systems / Adams, Peter (Spring)

19739 Engineering and Economics of Electric Energy Systems / Ilic, Jovan (Spring)

19781 Special Topics: Fundamentals of Atmospheric Aerosols / Adams, Peter (Fall, every other year)

19882/47882 Seminar in Low-Carbon Electric Power / Apt, Jerome (Spring)

19883 Special Topics: Seminar in Climate & Energy Decision Making / Azevedo, Ines (Spring, Fall)

English

76101 Interpretation and Argument / Goessling, Jacob (Spring)

76204 Literature and the Environment / Goessling, Jacob

Heinz College / Public Policy & Management

90734 Urban Policy / Downing, Jane (Spring)

90765 Cities, Technology and the Environment / Tarr, Joel (Spring)

90789 Sustainable Community Development / Mehalik, Matthew (Spring)

90798 Environmental Policy & Planning / Mehalik, Matthew (Fall)

90808 Energy Policy / Kupfer, Jeffrey (Fall)

90813 Environmental Politics and Policy / Stine, Deborah (Spring)

History

79275 Introduction to Global Studies / Faulk, Karen (Spring)

79315 The Politics of Water: Global Controversies, Past and Present / Owen, Abigail (Fall)

79336 Oil and Water: Middle East Perspectives / Owen, Abigail (Fall)

79369 Disasters in American History: Floods and Hurricanes / Keller, Vagel (Spring)

79370 Disasters in American History (2):Epidemics & Fires / Keller, Vagel (Fall)

79377 Food, Culture, and Power: A History of Eating / Soluri, John (Spring)

Institute for Software Research

08540/08840 Green Computing / Agarwal, Yuvraj (Spring)

Materials Science & Engineering

27421 Processing Design / Pistorius, Chris (Fall)

Mechanical Engineering

24292 Renewable Energy Engineering / Yao, Shi-Chune (Spring)

24424/19424 Energy and the Environment / Rubin, Edward (Fall)

24425/24740/19440/19740 Combustion and Air Pollution Control / Presto, Albert (Fall)

24640/19653 Climate Change Mitigation / Azevedo, Ines; Robinson, Allen (Spring)

24722 Energy System Modeling / Siefert, Nicholas (Fall)

24727 Aerosol Measurement Technology / Sullivan, Ryan (Fall)

Music

57914 Music and Nature / Fallon, Robert (Spring)

Philosophy

80244 Environmental Ethics / Gray, Derrick (Spring)

80335/80635 Deliberative Democracy: Theory and Practice / Cavalier, Robert (Fall)

Social & Decision Sciences

88405 Risk Perception and Communication / Yu, Michael (Fall)

Tepper

47766 Innovative & Sustainable Operations / Cho, Soo-Haeng (Fall)

19782/47882 Seminar in Low-Carbon Electric Power / Apt, Jerome (Fall)

45960 Sustainable Operations / Scheller-Wolf, Alan (Spring)

Climate Related Courses

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CMU University-wide studies

99245 Energy: Science, Society and Communication / Alba, William / Spring

Chemical Engineering

06620 Global Atmospheric Chemistry / Donahue, Neil / Spring (every other year)

CIT Interdisciplinary

39611 Energy Demand and Utilization / Samaras, Costa / Spring

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12749 Special Topics: Climate Change Adaptation / Samaras, Costa / Spring

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19421/624 Emerging Energy Policies / Stine, Deborah / Spring

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