



**SUSTAINABILITY COURSE
INVENTORY - 2021**



Penn
Sustainability

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INTRODUCTION

Through its research, teaching, and operational practices, Penn is dedicated to promoting a sustainable culture and implementing environmentally conscious policies. Every five years, the University of Pennsylvania releases a *Climate and Sustainability Action Plan* reflecting on the University's progress and goals related to sustainability. The University released its *Climate and Sustainability Action Plan 3.0 (CSAP 3.0)* in the fall of 2019 with a continued focus on promoting sustainability in academics, especially in improving the climate literacy of Penn students.

A notable achievement of CSAP 3.0 has been its impact within the classroom. **Penn now offers 283 individual sustainability courses.** For the 2021 AASHE STARS report, 402 courses were reported as defined by the reporting manual's definition of "each offering or section of a course" counting as an individual course. The Integrating Sustainability Across the Curriculum program has incorporated sustainability into 20 new and 43 existing courses through the collaboration of 74 faculty and 40 students since the program launch in 2012. Other programs and degree offerings, including a Sustainability & Environmental Management minor, a Master in Environmental Building Design, and the Vagelos Integrated Program in Energy Research, have furthered Penn's goal of integrating sustainability into coursework.

This inventory highlights and advances this goal of expanding the awareness and availability of information about sustainability courses at Penn. The guide is organized by School and then alphabetically by Department with cross-listed courses in grey. Please consult the [course catalog](#) for full descriptions of the courses and Penn InTouch's course registration site to confirm that the course is currently being offered.

Methodology

The 2021-2020 update of the Course Inventory expands upon previous updates through collaboration with each of the 12 school's academic coordinators along with input from faculty. The inventory was first compiled in 2012. It was updated in August 2015 and 2017 by searching "sustain", "green", "preservation", "conservation", "urban", "energy", "transportation" and "waste" in the PennInTouch Course Search, and finding relevant classes. The 2019 update relied on outreach to the academic coordinators in all 12 schools to verify listed courses.

The Sustainability Office first assessed each course in the [online course catalog](#) and compiled potential sustainability courses based on the course description for review by faculty and academic coordinators. Courses previously included in the inventory were also checked to confirm availability and to provide updates on the course titles, instructors, and other information.

In accordance with the STARS 2.2 guidelines, this update also added new designations of Sustainability Focused and Sustainability Inclusive courses as defined below. A new topic tagging system, outlined below and developed with faculty representatives from CIRCE, was also implemented. Each potential course pulled from the online catalog and all previously included courses were designated as either Sustainability Focused or Inclusive and was assigned the appropriate topic tag(s) based on the course description accessible through the online catalog.

INTRODUCTION

This list of courses and their associated information was then sent to the appropriate academic coordinator(s) within each school to confirm the course's availability, accuracy of information, and the course category and tag(s). Courses that have been fully confirmed by the instructor or an academic coordinator are marked with an asterisk (*).

Course Categories

In accordance with the STARS 2.2 update as reported in 2021, this inventory identifies courses as either **Sustainability Focused** or **Sustainability Inclusive**. Sustainability Focused courses have a primary and explicit focus on sustainability, whereas Sustainability Inclusive courses include units or modules on sustainability or integrates sustainability related topics and concepts throughout the course without it being the primary subject.

Sustainability Focused courses include:

- Foundational courses with a primary and explicit focus on sustainability
- Courses with a primary and explicit focus on the application of sustainability within a field
- Courses with a primary and explicit focus on a major sustainability challenge

Courses that are not explicitly focused on sustainability may count as Sustainability Inclusive if sustainability has clearly been incorporated into course content. Sustainability Inclusive courses must have a course description or syllabus that indicates that the course incorporates a unit or module on sustainability, includes one or more sustainability-focused activities, or integrates sustainability challenges, issues, and concepts throughout the course.

The provided definitions are referenced from the [STARS 2.2 Technical Manual](#).

Topic Tags

To better guide the use of the inventory, tags for major sustainability topics were developed with Bill Braham and Michael Weisberg of CIRCE. Each course is tagged with a number indicating one or more of the following sustainability category groupings:

1. **Sustainability** including sustainable design, sustainable practices, etc.
Climate change including climate science, climate justice, climate adaptation
Ecology including ecosystem theory, biodiversity, species extinction
2. **Energy** including energy use, energy science, etc.
Mitigation including carbon capture, migration
Resilience including design, engineering, infrastructure, urban planning, etc.
3. **Policy** including international, national, or sub-national policy about sustainability, energy, climate, biodiversity, etc.
Legal and ethical including environmental ethics, the study of equity and the environment, and environmental law

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This is not an exhaustive list of all the sustainability related courses at Penn but covers the majority across a range of Departments and Schools. Please advise Penn Sustainability about any missing courses, updates, or revisions (sustainability@upenn.edu).

Classes listed as 500 or higher are graduate level classes, and if they are open to undergraduate students may require special permission from the instructor.

The Sustainability Course Inventory was prepared by the Penn Sustainability Office in collaboration with the departmental academic coordinators and CIRCE. The cover photograph was taken by Eric Sucar from the Office of University Communications. Please direct any comments, updates, revisions, or suggestions to sustainability@upenn.edu with "Penn Sustainability Course Inventory" in the subject line.

Please consider the environment before choosing to print this document.

COURSE ABBREVIATIONS

AFRC	Africana Studies	LAW	Law
ANCH	Ancient History	LGST	Legal Studies & Business Ethics
ANTH	Anthropology	MEAM	Mechanical Engineering and Applied Mechanics
ARCH	Architecture	MSE	Materials Science and Engineering
ARTH	Art History	MSSP	Master of Science in Social Policy
BEPP	Business Economics & Public Policy	NELC	Near Eastern Languages & Civilizations
BIOL	Biology	NPLD	Nonprofit Leadership
CBE	Chemical & Biomolecular Engineering	OIDD	Operations, Information and Decisions
CHEM	Chemistry	PHIL	Philosophy
CIMS	Cinema and Media Studies	PHYS	Physics
CPLN	City & Regional Planning	PSCI	Political Science
CLCH	Climate Change	PUBH	Public Health Studies
CLST	Classical Studies	REAL	Real Estate
COML	Comparative Literature	RELS	Religious Studies
COMM	Communications	SOCI	Sociology
CPLN	City Planning	SPAN	Spanish
DSGN	Design	STSC	Science, Technology & Society
DYNM	Organizational Dynamics	SWRK	Social Work
EALC	East Asia Languages & Civilization	URBS	Urban Studies
EAS	Engineering & Applied Science	VCSP	Veterinary Clinical Studies & Advanced Medicine
ECON	Economics	VIPR	Viper
EDUC	Education		
ENGL	English		
ENGR	Engineering		
ENMG	Energy Management and Policy		
ENVS	Environmental Studies		
EPID	Epidemiology		
ESE	Electrical & Systems Engineering		
FNCE	Finance		
GAFL	Government Administration		
GEOG	Geology		
GLBS	Global Studies		
GRMN	Germanic Languages		
GSWS	Gender, Sexuality & Women's Studies		
HIST	History		
HSOC	Health & Sciences		
HSPV	Historic Preservation		
LALS	Latin American & Latino Studies		
LARP	Landscape Architecture & Regional Planning		

INTEGRATING SUSTAINABILITY ACROSS THE CURRICULUM

Integrating Sustainability Across the Curriculum (ISAC) was established in 2012 to help Penn faculty introduce sustainability into existing and new courses. ISAC has supported 60 courses in a diverse array of disciplines, including architecture, law, biology, chemistry, engineering, urban planning, and Germanic languages.

Faculty participants explore sustainability concepts at a one-day workshop in the late spring and are then partnered with an undergraduate or graduate student research assistant to work over the summer integrating sustainability into the course syllabi, lectures, assignments, reading material, and tests. Each student works with two faculty members working on two different courses.

Courses that participated in ISAC and are still Sustainability Focused or Inclusive are included in this inventory in the appropriate sections for each course. For a full list of courses previously involved with ISAC, refer to the [ISAC Archive](#). More information about ISAC can be found [here](#).

SCHOOL OF ARTS AND SCIENCES

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
AFRC 302	Sustainable Entrepreneurship	Gilliam	1
ANTH 091 / ENVS 091 / ENVS 391/ LALS 091 / LALS 391 / SPAN 091 / SPAN 391	* Sustainable Development and Culture in Latin America	Gimenez	1
ANTH 134	* Making the Natural World: An Introduction to Political Ecology	Lycett	3
ANTH 171	* Social Life of Climate Change	Anand	2, 3
ANTH 310 / LALS 310	* Transdisciplinary Environmental Humanities	Lyons	1, 3
ANTH 331	* Historical Ecology	Erickson	1
ANTH 339 / COML 308 / ENGL 309	* Imagining Environmental Justice	Macklin	1
ANTH 539	* Advanced Readings in Environment and Society	Anand	2, 3
ANTH 543 / COML 562 / ENVS 544 / GRMN 544 / URBS 544	* Public Environmental Humanities	Wiggin	1, 3
ARTH 577 / ARCH 713	* Ecological Thinking in Art and Architecture	Barber, Zarmakoupi	1, 2
BIOL 010	* Ecological Consequences of Climate Change	Dunham	1
CHEM 012	* Environmental Chemistry	Faculty	1, 2
CIMS 150 / COML 151 / ENVS 150 / GRMN 150	* Water Worlds: Cultural Responses to Sea Level Rise & Catastrophic Flooding	Richter/Simon	1, 3
COML 151 / CIMS 150 / ENVS 150 / GRMN 150	* Water Worlds: Cultural Responses to Sea Level Rise & Catastrophic Flooding	Richter/Simon	1, 3
COML 209 / ENGL 275 / ENVS 239 / GRMN 239	* Sustainability & Utopianism	Wiggin	1, 3
COML 241 / GRMN 240	* Global Sustainabilities	Richter	1

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COML 308 / ANTH 339 / ENGL 309	* Imagining Environmental Justice	Macklin	1
COML 544 / ENGL 643 / ENVS 543 / GRMN 543 / SPAN 543	* Environmental Humanities	Wiggin	1, 3
COML 562 / ANTH 543 / ENVS 544 / GRMN 544 / URBS 544	* Public Environmental Humanities	Wiggin	1, 3
DYNAM 615	* Global PENNovation: Water Security in a Changing World/Global PENNovation: Making Tomorrow's Cities Sustainable Cities	Finn	1
DYNAM 638	* Organizing for Entrepreneurial Effectiveness	Knorr	3
DYNAM 658	* Fundamentals of Sustainability	Finn/Hedge	1
DYNAM 766	* Global Collaboration for Sustainability: The Food-Water-Energy Nexus in Italy	Finn	1
DYNAM 781	* Dynamic Hub of the Americas: Entrepreneurship & Sustainable Development	Barstow/Cronin	1
EALC 165 / EALC 565 / ENVS 165	* Environment, Climate, and Culture in Japan	Poland	1
ECON 225-001	* Empirical Economics of Climate Change	Diebold	1, 2, 3
ENGL 246 / ENVS 246 / RELS 246	* Spirituality in the Age of Global Warming: How Can Science & the Humanities Work Together?	Powell	3
ENGL 275 / COML 209 / ENVS 239 / GRMN 239	* Sustainability & Utopianism	Wiggin	1, 3
ENGL 309 / ANTH 339 / COML 308	* Imagining Environmental Justice	Macklin	1
ENGL 643 / COML 544 / ENVS 543 / GRMN 543 / SPAN 543	* Environmental Humanities	Wiggin	1, 3
ENVS 060 / HIST 060	* Global Environmental History from Paleolithic to the Present	Berg	1, 2, 3

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ENVS 091 / ENVS 391 / ANTH 091 / LALS 091 / LALS 391 / SPAN 091 / SPAN 391	*	Sustainable Development and Culture in Latin America	Gimenez	1
ENVS 100	*	Introduction to Environmental Science	Plante	1
ENVS 150 / GRMN 150 / CIMS 150 / COML 151	*	Water Worlds: Cultural Responses to Sea Level Rise & Catastrophic Flooding	Richter/Simon	1, 3
ENVS 165 / EALC 165 / EALC 565	*	Environment, Climate, and Culture in Japan	Poland	1
ENVS 181 / GRMN 181	*	Comparative Cultures of Sustainability	Richter	1
ENVS 239 / COML 209 / ENGL 275 / GRMN 239	*	Sustainability & Utopianism	Wiggin	1, 3
ENVS 245 / HIST 245	*	Petrosylvania: Reckoning with Fossil Fuel	Farmer	2
ENVS 246 / ENGL 246 / RELS 246	*	Spirituality in the Age of Global Warming: How Can Science & the Humanities Work Together?	Powell	3
ENVS 258 / HIST 258	*	Extreme Heat: White Nationalism in the Age of Climate Change	Berg	1, 3
ENVS 279 / HIST 320 / HSOC 279 / STSC 279	*	Nature's Nation: Americans and Their Environment	Greene	1
ENVS 301	*	Environmental Case Studies	Dmochowski	1
ENVS 302	*	Case Studies in Environmental Sustainability	Plante	1
ENVS 312 / PHYS 314	*	Ocean-Atmosphere Dynamics and Implications for Future Climate Change	Marinov	1
ENVS 325	*	Sustainable Goods	Hagan	2
ENVS 326	*	GIS: Mapping Places & Analyzing Spaces	Heinlen	1
ENVS 327	*	Principles of Sustainability	Plante	1
ENVS 391 / ENVS 091 / ANTH 091 / LALS 091 /	*	Sustainable Development and Culture in Latin America	Gimenez	1

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LALS 391 / SPAN 091 /
SPAN 391

ENVS 404	*	Urban Environments: Speaking About Lead in West Philadelphia	Pepino	3
ENVS 410	*	The Role of Water in Urban Sustainability and Resiliency	Neukrug	2
ENVS 411	*	Air Pollution: Sources & Effects in Urban Environments	Andrews	3
ENVS 451	*	Sustainable Landscapes	Jerolmack	1
ENVS 460	*	Environmental Policy	Kulik	3
ENVS 510		Regional Ecology: Restoration and Management to Build Resilience	Willig	2
ENVS 526		The History and Science of Climate Change	Bordeaux	1
ENVS 543 / COML 544 / ENGL 643 / GRMN 543 / SPAN 543	*	Environmental Humanities	Wiggin	1, 3
ENVS 544 / ANTH 543 / COML 562 / GRMN 544 / URBS 544	*	Public Environmental Humanities	Wiggin	1, 3
ENVS 601		Proseminar: Contemporary Issues in Environmental Studies	Bordeaux/Colijn	1
ENVS 604		Conservation and Land Management	Goodall	1, 3
ENVS 605		Bioremediation	Vann	2
ENVS 617		Sustainable Estuaries: An Investigation of Resources & Recovery	Pepino	1
ENVS 620		Developing Environmental Policy	Kulik	3
ENVS 622		Environmental Enforcement	Lisa	3
ENVS 635		Current Issues in the Delaware River Basin: An Insider's Perspective	Neukrug	1
ENVS 642		Global Water Conference in Stockholm, Sweden	Laskowski	1

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ENVS 643		From Brownfield Remediation to Land Revitalization: US Strategies for Reducing Soil Contamination	Keene	2
ENVS 669		Corporate Sustainability Strategies	Survis	1
ENVS 674		Life Cycle Assessment	Hagan/English	1, 2
ENVS 677		Sustainable Agriculture and Product Stewardship	Froelich	1
ENVS 686		Resiliency, Health & Built Environment	Lee	1, 2
ENVS 688		Floodplain Management in a Changing Climate	Miller	1, 3
GEOL 618		Fundamentals of Air Pollution	Andrews	1
GEOL 650		Environmental Due Diligence	Cron	1
GRMN 150 / CIMS 150 / COML 151 / ENVS 150	*	Water Worlds: Cultural Responses to Sea Level Rise & Catastrophic Flooding	Richter/Simon	1, 3
GRMN 181 / ENVS 181	*	Comparative Cultures of Sustainability	Richter	1
GRMN 239 / COML 209 / ENGL 275 / ENVS 239	*	Sustainability & Utopianism	Wiggin	1, 3
GRMN 240 / COML 241	*	Global Sustainabilities	Richter	1
GRMN 543 / COML 544 / ENGL 643 / ENVS 543 / SPAN 543	*	Environmental Humanities	Wiggin	1, 3
GRMN 544 / ANTH 543 / COML 562 / ENVS 544 / URBS 544	*	Public Environmental Humanities	Wiggin	1, 3
HIST 060 / ENVS 060	*	Global Environmental History from Paleolithic to the Present	Berg	1, 2, 3
HIST 233 / LALS 233		From Coca to Cocaine	Farnsworth	1
HIST 245 / ENVS 245	*	Petrosylvania: Reckoning with Fossil Fuel	Farmer	2
HIST 258 / ENVS 258	*	Extreme Heat: White Nationalism in the	Berg	1, 3

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Age of Climate Change

HIST 320 / ENVS 279 / HSOC 279 / STSC 279	*	Nature's Nation: Americans and Their Environment	Greene	1
HSOC 131		Sustainability and Public Health	MacKenzie	1, 3
HSOC 135 / PSCI 135		The Politics of Food	Summers	1, 3
HSOC 179 / STSC 179		Environmental History	Faculty	1
HSOC 279 / ENVS 279 / HIST 320 / STSC 279	*	Nature's Nation: Americans and Their Environment	Greene	1
HSOC 458		Environments and Health	Faculty	1, 3
HSSC 565		Environmental History	Benson	1
LALS 091 / LALS 391 / ANTH 091 / ENVS 091 / ENVS 391 / SPAN 091 / SPAN 391	*	Sustainable Development and Culture in Latin America	Gimenez	1
LALS 233 / HIST 233		From Coca to Cocaine	Farnsworth	1
LALS 310 / ANTH 310	*	Transdisciplinary Environmental Humanities	Lyons	1, 3
LALS 391 / LALS 091 / ANTH 091 / ENVS 091 / ENVS 391 / SPAN 091 / SPAN 391	*	Sustainable Development and Culture in Latin America	Gimenez	1
PHYS 016	*	Energy, Oil, and Global Warming	Faculty	1, 2
PHYS 314 / ENVS 312	*	Ocean-Atmosphere Dynamics and Implications for Future Climate Change	Marinov	1
PSCI 135 / HSOC 135		The Politics of Food and Agriculture	Summers	1, 3
RELS 246 / ENVS 246 / ENGL 246	*	Spirituality in the Age of Global Warming: How Can Science & the Humanities Work Together?	Powell	3
SOCI 344 / SOCI 544		Sociology of the Climate Emergency	Cohen	1

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SOCI 434 / LARP 734		Designing a Green New Deal: From Concept to Program	Cohen/Fleming	3
SOCI 544 / SOCI 344		Sociology of the Climate Emergency	Cohen	1
SPAN 091 / SPAN 391 / ANTH 091 / ENVS 091 / ENVS 391 / LALS 091 / LALS 391	*	Sustainable Development and Culture in Latin America	Gimenez	1
SPAN 391 / SPAN 091 / ANTH 091 / ENVS 091 / ENVS 391 / LALS 091 / LALS 391	*	Sustainable Development and Culture in Latin America	Gimenez	1
SPAN 397-402	*	Ecocritical Approaches to Latin American Literature	Brock	3
SPAN 543 / GRMN 543 / COML 544 / ENGL 643 / ENVS 543	*	Environmental Humanities	Wiggin	1, 3
STSC 168		Environment and Society	Benson	1
STSC 179 / HSOC 179		Environmental History	Faculty	1
STSC 218		Climate Change: Science, Technology and Society	Turner	1, 3
STSC 279 / ENVS 279 / HIST 320 / HSOC 279	*	Nature's Nation: Americans and Their Environment	Greene	1
URBS 248	*	The Urban Food Chain	Vitiello	3
URBS 290	*	Metropolitan Nature	Nairn	1,3
URBS 417	*	Cities and Sustainability	Ben-Amos	1,3
URBS 419	*	Urban Transportation in Flux	Ben-Amos	3
URBS 544 / ANTH 543 / COML 562 / ENVS 544 / GRMN 544	*	Public Environmental Humanities	Wiggin	1, 3

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SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
AFRC 011 / SOCI 011 / URBS 112	Urban Sociology	Flippen	1
AFRC 041 / URBS 010	* Homelessness & Urban Inequality	Culhane	3
AFRC 078 / HIST 173 / URBS 178	* Urban University-Community Relations: Faculty-Student Collaborative Action in Urban University-Community Relations	Harkavy	3
ANCH 311 / ANTH 311 / CLST 311	* Disasters in the Ancient World	Grey & Ristvet	1, 2
ANTH 121 / NELC 103 / URBS 121	* Origin and Culture of Cities	Zettler	3
ANTH 127 / ARTH 127 / CLST 127 / HIST 127 / NELC 187	* The Material Past in a Digital World	Cobb	1
ANTH 221 / ANTH 521 / CLST 244	* Material World in Archaeological Science	Staff	1
ANTH 294 / URBS 294	* Global Cities: Urbanization in the Global South	Anand	2, 3
ANTH 317 / LALS 317	* The Politics of Matter and the Matter of Politics	Lyons	3
ANTH 440	* Plants and Society	White	2
ANTH 521 / ANTH 221 / CLST 244	* Material World in Archaeological Science	Staff	1
ANTH 546 / EDUC 503 / URBS 546	* Global Citizenship	Hall	3
ARTH 127 / ANTH 127 / CLST 127 / HIST 127 / NELC 187	* The Material Past in a Digital World	Cobb	1
ARTH 782 / COML 615 / ENGL 584 / GRMN 614 / URBS 614	* Goethe & Perception Landscapes	Weissberg	1
BIOL 017	* The Biology of Food	Poethig	3

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BIOL 140 / BIOL 440	* Humans and the Environment	Janzen	3
BIOL 240	* Ecology: From Individuals to Ecosystems	Helliker/Akçay	1
BIOL 325	* Marine Biology	Barott	1
BIOL 376 / BIOL 576	* Microbial Diversity and Pathogenesis	Mechthild/Pohlschroder	1
BIOL 400	* Field Botany	Block/Skema	1
BIOL 415 / ENVS 416	* Freshwater Ecology	Arcott	1
BIOL 434	* Energy Transformations	Rome	2
BIOL 440 / BIOL 140	* Humans and the Environment	Janzen	3
BIOL 576 / BIOL 376	* Microbial Diversity and Pathogenesis	Mechthild/Pohlschroder	1
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CHEM 251	* Principles of Biological Chemistry	Faculty	1, 2
CHEM 708	* Photochemistry	Chenoweth	2
CHEM 766	* Electrochemistry: Methods and Chemical Applications	Mallouk	2
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CIMS 103 / ENGL 078	* Television and New Media	Mukherjee	1
CIMS 152 / COML 154 / ENVS 151 / GRMN 151	* Forest Worlds: Mapping the Arboreal Imaginary in Literature and Film	Richter	1
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CLST 127 / ANTH 127 / ARTH 127 / HIST 127 / NELC 187	* The Material Past in a Digital World	Cobb	1
CLST 244 / ANTH 221 / ANTH 521	* Material World in Archaeological Science	Staff	1
CLST 311 / ANCH 311 / ANTH 311	* Disasters in the Ancient World	Grey & Ristvet	1, 2
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COML 154 / CIMS 152 / ENVS 151 / GRMN 151	* Forest Worlds: Mapping the Arboreal Imaginary in Literature and Film	Richter	1
COML 543 / GRMN 535	* The Elemental Turn	Richter	1

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COML 615 / ARTH 782 / ENGL 584 / GRMN 614 / URBS 614	* Goethe & Perception Landscapes	Weissberg	1
DYNAM 650	* Outdoor Dynamics	Barstow/Havely	1, 3
DYNAM 654	* Crisis Communications and Reputation Risk	Havely	3
DYNAM 666	* Systems and Design Thinking	McAdam	1
DYNAM 758	* Sweden: Strategies for Thriving in the 21st Century	Barstow	1, 2, 3
ENGL 078 / CIMS 103	* Television and New Media	Mukherjee	1
ENGL 158-401 / STSC 118	* Science, Technology, Society	Tarr	1, 2, 3
ENGL 584 / ARTH 782 / COML 615 / GRMN 614 / URBS 614	* Goethe & Perception Landscapes	Weissberg	1
ENVS 151 / GRMN 151 / CIMS 152 / COML 154	* Forest Worlds: Mapping the Arboreal Imaginary in Literature and Film	Richter	1
ENVS 507	Wetlands	Willig	1
ENVS 541	Modeling Geographical Objects	Tomlin	1
ENVS 606	Avifaunal Ecology: Studying ornithological principles & behaviors to indicate ecosystem health	McGraw	1
ENVS 616	Risk Assessment: Science & Policy Challenges	Pepino	3
ENVS 629	The U.S. Water Industry in the 21st Century	Neukrug	1
ENVS 644	Energy, Waste and the Environment	Giere	2
ENVS 657	Introduction to Superfund Sites and Health Effects of Hazardous Waste	Willenbring/Pepino/Penni, ng	1, 2
ENVS 665	Industrial Ecology and the Circular Economy	Hagan	1
ENVS 673	The Future of Water	Faculty	1

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ENVS 675	Charting a New Course for the Water Industry	Neukrug	1
G AFL 569 / PLN 625 / URBS 451	* The Politics of Housing and Community Development	Kromer	3
GEOL 100	* Introduction to Geology	Omar	1
GEOL 103	* Natural Disturbances and Human Disasters	Phipps	1
GEOL 109	* Introduction to Geotechnical Science	Omar	1
GEOL 125	* Earth and Life Through Time	Perez-Rodriguez	1
GEOL 130	* Oceanography	Dmochowski	1
GEOL 201 / GEOL 531	* Advanced Mineralogy	Omar	1
GEOL 204	* Global Climate Change	Marinov	1
GEOL 318	* Glaciers, Ice & Climate	Goldsby	1
GEOL 409 / GEOL 509	* Intro to Remote Sensing	Dmochowski	1
GEOL 418	* Geochemistry	Giere	1
GEOL 421 / GEOL 541	* Biogeochemistry	Plante	1
GEOL 430	* Atmospheric Chemistry	Francisco	1
GEOL 509 / GEOL 409	* Intro to Remote Sensing	Dmochowski	1
GEOL 515	* Evolution/Revolution of Land Ecosystems	Sallan	1
GEOL 528	Aqueous Geochemistry	Andrews	1
GEOL 531 / GEOL 201	* Advanced Mineralogy	Omar	1
GEOL 541 / GEOL 421	* Biogeochemistry	Plante	1
GEOL 656	Fate and Transport of Pollutants	Mastropaolo	1
GRMN 151 / CIMS 152 / COML 154 / ENVS 151	* Forest Worlds: Mapping the Arboreal Imaginary in Literature and Film	Richter	1

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GRMN 535 / COML 543	* The Elemental Turn	Richter	1
GRMN 614 / ARTH 782 / COML 615 / ENGL 584 / URBS 614	* Goethe & Perception Landscapes	Weissberg	1
GSWS 007 / SOCI 007	Population and Society	Flippen/Harknett/ Kohler/Zuberi	1
GSWS 122 / SOCI 122	The Sociology of Gender	Leidner	1
HIST 127 / ANTH 127 / ARTH 127 / CLST 127 / NELC 187	* The Material Past in a Digital World	Cobb	1
HIST 173 / AFRC 078 / URBS 178	* Urban University-Community Relations: Faculty-Student Collaborative Action in Urban University-Community Relations	Harkavy	3
HIST 209 / URBS 103	* Industrial Metropolis	Sidorick	3
HSOC 003 / SOCI 033 / STSC 003	Technology & Society	Benson	1
LALS 273 / URBS 270 / SOCI 270	The Immigrant City	Vitiello/Domenic	1, 3
LALS 317 / ANTH 317	* The Politics of Matter and the Matter of Politics	Lyons	3
NELC 103 / URBS 121 / ANTH 121	* Origin and Culture of Cities	Zettler	3
NELC 187 / ANTH 127 / ARTH 127 / CLST 127 / HIST 127	* The Material Past in a Digital World	Cobb	1
PHIL 070	* Environmental Justice: Conservation Ethics & Politics	Professor Kok-Chor Tan	3
PHIL 079	* Environmental Ethics	Faculty	3
SOCI 007 / GSWS 007	Population and Society	Flippen Kohler/Zuberi	1
SOCI 011 / AFRC 011 / URBS 112	Urban Sociology	Flippen	1
SOCI 033 / HSOC 003 / STSC 003	Technology & Society	Benson	1

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SOCI 111 / HSOC 111	Health of Populations	Elo/Kohler	1, 3
SOCI 122 / GSWS 122	The Sociology of Gender	Leidner	1
SOCI 238 / COMM 203	Media, Culture & Society in Contemporary China	Yang	1
SOCI 270 / LALS 273 / URBS 270	The Immigrant City	Vitiello/Domenic	1, 3
SOCI 420 / URBS 420	Perspectives on Urban Poverty	Fairbanks	1, 2
SOCI 435 / URBS 457	Globalization & The City: Global Urbanization	Deuskar/Barragon	1, 2
SOCI 453 / URBS 453	Metropolitan Growth and Poverty	Madden	1, 2
STSC 003 / HSOC 003 / SOCI 033	Technology & Society	Benson	1
STSC 118 / ENGL 158- 401	* Science, Technology, Society	Tarr	1, 2, 3
URBS 010 / AFRC 041	* Homelessness & Urban Inequality	Culhane	3
URBS 103 / HIST 209	* Industrial Metropolis	Sidorick	3
URBS 112 / SOCI 011 / AFRC 011	Urban Sociology	Flippen	1
URBS 121 / ANTH 121 / NELC 103	* Origin and Culture of Cities	Zettler	3
URBS 178 / AFRC 078 / HIST 173	* Urban University-Community Relations: Faculty-Student Collaborative Action in Urban University-Community Relations	Harkavy	3
URBS 205	* People & Design	Berman	1, 2
URBS 270 / LALS 273 / SOCI 270	* The Immigrant City	Vitiello/Domenic	3
URBS 294 / ANTH 294	* Global Cities: Urbanization in the Global South	Anand	2, 3
URBS 420 / SOCI 420	Perspectives on Urban Poverty	Fairbanks	1, 2
URBS 451 / CPLN 625 / GAFL 569	* The Politics of Housing and Community Development	Kromer	3

SCHOOL OF ARTS AND SCIENCES

URBS 453 / SOCI 453	Metropolitan Growth and Poverty	Madden	1, 2
URBS 457 / SOCI 435	Globalization & The City: Global Urbanization	Deuskar/Barragon	1, 2
URBS 614 / GRMN 614 / ARTH 782 / COML 615 / ENGL 584	* Goethe & Perception Landscapes	Weissberg	1
VIPR 120	Vagelos Integrated Program in Energy Research (VIPER) Seminar, Part I	Rappe/Vohs/Hughes	2
VIPR 121	Vagelos Integrated Program in Energy Research (VIPER) Seminar, Part II	Rappe/Vohs/Hughes	2

SCHOOL OF DESIGN

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
ARCH 685	* Environmental Readings	Steiner	2
ARCH 708	* Bioclimatic Design Studio	Aviv	2
ARCH 713	* Ecological Thinking in Art and Architecture	Barber, Zarmakoupi	1, 2
ARCH 718	* History and Theory of Architecture and Climate	Barber	1
ARCH 732-004	* Technology Designated Elective: Matter and Energy	Trubiano	1, 2
ARCH 732-007	* Tech Designated Elective: Embodied Carbon & Architecture	Carlisle	1, 2
ARCH 734-001	* Ecological Architecture, Contemporary Practices	Woodward	2
ARCH 736-005	* Tech Designated Elective: Water Shaping Architecture	Mardeusz, Weiss	2
ARCH 751	* Ecology, Technology, and Design	Faculty	2
ARCH 752	* Environmental Building Design Research Seminar	Faculty	2
CPLN 531	Introduction to Environmental Planning & Policy	Daniels	1, 2
CPLN 535 / ENMG 503	* Topics in Energy Policy	Faculty	2, 3
CPLN 631	Planning for Land Conservation	Daniels	2
CPLN 650 / ESE 548	* Transportation Planning Methods	Ryerson	2
CPLN 656	Life Cycle Assessment in Residential Land Use and Transportation	Faculty	2
CPLN 685	Environmental Readings	Steiner	1
CPLN 730	Sustainable Cities	Lassiter/Allison	1, 2, 3
CPLN 750 / ESE 550	* Advance Transportation Seminar	Ryerson	2

SCHOOL OF DESIGN

ENMG 502	* Introduction to Energy Policy	Hughes	2, 3
ENMG 503 / CPLN 535	* Topics in Energy Policy	Faculty	2, 3
ENMG 507	* Ideas in Energy Policy	Hughes	2, 3
LARP 734 / SOCI 434	Designing a Green New Deal: From Concept to Program	Cohen/Fleming	3
LARP 760	Topics in Ecological Design	Marton	1, 2

SCHOOL OF DESIGN

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
ARCH 111	* Architecture in the Anthropocene	Barber	2
ARCH 431 / ARCH 531	* Construction I	Faculty	2
ARCH 531 / ARCH 431	* Construction I	Faculty	2
ARCH 633	* Environmental Systems I	Faculty	2
ARCH 634	* Environmental Systems II	Faculty	2
ARCH 671	* Professional Practice I	Faculty	1
ARCH 711-001	* Topics in Arch Theory I: Contemporary Architectural Discourse: Race, Environment, Gender	Barber	1
ARCH 732-008	* Tech Designated Elective: Inquiry into Biomaterial Architectures	Mogas-Soldevila	2
ARCH 739-001	* New Approaches to an Architecture of Health	Avery	2
ARCH 753	* Building Performance Simulation	Faculty	2
ARCH 754	* Performance Design Workshop	Faculty	2
CPLN 530	Introduction to Land Use Planning	Daniels	1, 2
CPLN 540	Introduction to Property Development	Reina/Vincent	2
CPLN 550	Introduction to Transportation Planning	Guerra	2
CPLN 571	Sensing the City	Lassiter	2
CPLN 620	Techniques of Urban Economic Development	Faculty	2
CPLN 621	Metropolitan Food System	Vitiello	1, 2
CPLN 624	Race, Poverty and Place	Drake-Rodriguez	2

SCHOOL OF DESIGN

CPLN 625 / GAFL 569 / URBS 451	* The Politics of Housing and Community Development	Kromer	3
CPLN 635	Water Policy	Lassiter	2, 3
CPLN 641	Progressive Development	Faculty	1, 2
CPLN 655	Multimodal Transport	Guerra	1, 2
CPLN 675	Land Use and Environmental Modeling	Landis	2
CPLN 687 / HSPV 638	Topics in Historic Preservation	Faculty	2
DSGN 268	* Biological Design	Telhan	1, 2
DSGN 317	* Cultures of Making	Telhan	2
DSGN 380	* Design Future(s)	Telhan	1, 2
ENMG 508	* Geopolitics of Energy in Russia and Eurasia	Mikulska	2, 3
HSPV 538 / LARP 738	* Cultural Landscapes and Landscape Preservation	Mason	2
HSPV 572	* Preservation Through Public Policy	Hollenberg	3
HSPV 621	* Heritage and Social Justice	Mason	1, 3
HSPV 625	* Preservation Economics	Rypkema	1, 3
HSPV 638 / CPLN 687	Topics in Historic Preservation	Faculty	2
HSPV 660	* Theories of Historic Preservation	Mason	1
HSPV 701	* Historic Preservation Studio	Mason	1, 2, 3
HSPV 738	* Conservation Seminar: Wood	Fearon	1, 2
LARP 501	Studio I	Faculty	1, 2
LARP 502	Studio II	Faculty	1, 2
LARP 511	Workshop I: Ecology and Built Landscapes	Willig/Popowsky	1, 2

SCHOOL OF DESIGN

LARP 512	Workshop II: Landform and Planting Design	Olgyay	1, 2
LARP 535	Theory I: The Culture of Nature	Weller	1
LARP 540 / LARP 770	Theory II: Landscape Architecture History and Theory	Gianetto	1
LARP 601	Studio III	Faculty	1, 2
LARP 602	Studio IV	Faculty	1, 2
LARP 611	Workshop III: Site Engineering and Water Management	Faculty	1, 2
LARP 612	Workshop IV: Advanced Landscape Construction	Burrell	1, 2
LARP 701	Studio V	Faculty	1, 2
LARP 702	Studio VI	Faculty	1, 2
LARP 738 / HSPV 538	* Cultural Landscapes and Landscape Preservation	Mason	2
LARP 750	Topics in Construction, Horticulture and Planting Design	Faculty	1, 2
LARP 755	Arboretum Management I: Understanding Plants	Skema	1, 2
LARP 756	Arboretum Management II: Evaluating Public Gardens	Skema	1, 2
LARP 761	Urban Ecology	Carlisle/Pevzner	1
LARP 770 / LARP 540	Theory II: Landscape Architecture History and Theory	Gianetto	1

SCHOOL OF ENGINEERING & APPLIED SCIENCES

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
CBE 325	Renewable Energy	Wattenbarger	2
CBE 505	Carbon Capture	Wilcox	2
EAS 301 / EAS 505	Climate Policy and Technology	Huemmler	3
EAS 401 / EAS 501	* Energy and its Impacts: Technology, Environment, Economics, Sustainability	Faculty	1, 2, 3
EAS 402 / EAS 502	* Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability	Faculty	1, 2, 3
EAS 403 / EAS 503	Energy Systems and Policy	Huemmler	3
EAS 501 / EAS 401	* Energy and its Impacts: Technology, Environment, Economics, Sustainability	Faculty	1, 2, 3
EAS 502 / EAS 402	* Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability	Faculty	1, 2, 3
EAS 503 / EAS 403	Energy Systems and Policy	Huemmler	3
EAS 505 / EAS 301	Climate Policy and Technology	Huemmler	3
ENGR 101	Introduction to Engineering: Energy, Environment and Sustainability	Winey	1, 2
ESE 548 / CPLN 650	* Transportation Planning Methods	Ryerson	2
ESE 550 / CPLN 750	* Advance Transportation Seminar	Ryerson	2
ESE 567 / BEPP 261 / BEPP 761 / BEPP 961 / OIDD 261 / OIDD 761	* Risk Analysis and Environmental Management	Faculty	2, 3
MEAM 503	* Direct Energy Conversion: from Macro to Nano	Faculty	2
MSE 099	* Independent Study	Faculty	1, 2
MSE 455 / MSE 555	* Electrochemical Engineering of Materials	Detsi	2
MSE 545	* Materials for Energy and Environmental Sustainability	Murray	2
MSE 555 / MSE 455	* Electrochemical Engineering of Materials	Detsi	2

SCHOOL OF ENGINEERING & APPLIED SCIENCES

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
EAS 306 / EAS 506	Electricity and Systems Markets	Faculty	2
EAS 506 / EAS 306	Electricity and Systems Markets	Faculty	2
ENGR 250	Energy Systems, Resources and Technology	Faculty	1, 2
ENGR 503	Engineering in Oil, Gas and Coal, from Production to End Use	Faculty	1, 2
ESE 521	* The Physics of Solid State Energy Devices	Faculty	2
MEAM 203	* Thermodynamics	Faculty	2
MEAM 220 / MSE 220	* Introduction to Materials Science and Engineering	Davies	2
MEAM 302	* Fluid Mechanics	Faculty	2
MEAM 333	* Heat and Mass Transfer	Faculty	1, 2
MEAM 502	* Energy Engineering in Power Plants and Transportation Systems	Faculty	2
MEAM 504	* Tribology	Faculty	2
MEAM 537	* Nanotribology	Carpick	2
MEAM 561	* Thermodynamics, Foundations, Energy, Materials	Faculty	2
MEAM 570	* Transport Processes I	Arratia	2
MEAM 580	* Electrochemistry for Energy, Nanofabrication, and Sensing	Faculty	2
MSE 220 / MEAM 220	Introduction to Materials Science and Engineering	Davies	2
MSE 393	* Materials Selection	Pipe	1, 2

SCHOOL OF EDUCATION

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
EDUC 503 / ANTH 546 / URBS 546	* Global Citizenship	Hall	3
EDUC 506	* Migration, Displacement and Education	Ghaffar-Kucher	1, 2, 3
EDUC 514	* Basic Education in Developing Countries	Wagner/Ghaffar-Kucher	3
EDUC 596	* International Early Childhood Policies and Programs	Neuman	3
EDUC 597	* Policy Planning in International Educational Development: Theory and Practice	Neuman	3
EDUC 677	* Information and Communications Technologies for Education and Development in Global Perspective	Wagner	3

CAREY LAW SCHOOL

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
LAW 613	* Climate Change and Energy Evolution	Peloso	2, 3
LAW 634	* Environmental Law	Lisa	3
LAW 919	* Energy Law and Climate Change	Corner/Kulak	2, 3

PERELMAN SCHOOL OF MEDICINE

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
EPID 518 / PUBH 517	* Geography & Public Health	Tam/Wiebe	1
PUBH 500	* Foundations of Public Health	Faculty	3
PUBH 503	* Environmental and Occupational Health	Howarth	3
PUBH 517 / EPID 518	* Geography & Public Health	Tam/Wiebe	1
PUBH 523	* Epidemics: Social causes and consequences of outbreaks, emergencies, threats	Cannuscio	1

SCHOOL OF SOCIAL POLICY & PRACTICE

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
NPLD 552	* Energy, Innovation, and Impact in the Global South	Kay	1, 2

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
MSSP 755 / SWRK 755	* International Social Work: Perspective from the Global South	Shown	1, 3
NPLD 791	* Leadership: Designing the Future	Smith	1, 3
SWRK 736	* Building Community Capacity	Koppisch	1
SWRK 755 / MSSP 755	* International Social Work: Perspective from the Global South	Shown	1, 3

SCHOOL OF VETERINARY MEDICINE

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
NONDEGREE COURSE	* Feeding the World	Galligan, Ferguson	2
ANTH 361 / ANTH 661 / VCSN 657	* One Health and Global Food Security	Galligan, Kelly	2
VCSN 657 / ANTH 361 / ANTH 661	* One Health and Global Food Security	Galligan, Kelly	2

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
VCSN 639	* Animal Welfare Science	Pierdon	2
VCSN 650	* Applied Animal Welfare and Behavior	Parsons	2
VCSP 633	* Fundamentals of Animal Behavior	Siracusa	2
VCSP 639	* Animals and Society	Serpell	2

ANNENBERG SCHOOL OF COMMUNICATIONS

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
COMM 203 / SOCI 238	Media, Culture & Society in Contemporary China	Yang	1
COMM 243	Ethnography and Media for Social Justice	Lingel	1

WHARTON SCHOOL OF BUSINESS

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
BEPP 261 / BEPP 761 / BEPP 961 / ESE 567 / OIDD 261 / OIDD 761	* Risk Analysis and Environmental Management	Faculty	2, 3
BEPP 263 / OIDD 263	* Environmental & Energy Economics and Policy	Van Benthem	2, 3
BEPP 761 / BEPP 261 / BEPP 961 / ESE 567 / OIDD 261 / OIDD 761	* Risk Analysis and Environmental Management	Faculty	2, 3
BEPP 763 / OIDD 763	* Energy Markets & Policy	Van Benthem	2, 3
BEPP 961 / BEPP 261 / BEPP 761 / ESE 567 / OIDD 261 / OIDD 761	* Risk Analysis and Environmental Management	Faculty	2, 3
LGST 215 / LGST 815	* Environmental Management: Law and Policy	Light/Orts	3
LGST 613	* Business, Social Responsibility, and the Environment	Orts	3
LGST 762 / OIDD 762	* Environmental Sustainability and Value Creation	Survis	1
LGST 815 / LGST 215	* Environmental Management: Law and Policy	Light/Orts	3
OIDD 261 / OIDD 761 / BEPP 261 / BEPP 761 / BEPP 961 / ESE 567	* Risk Analysis and Environmental Management	Faculty	2, 3
OIDD 263 / BEPP 263	* Environmental & Energy Economics and Policy	Van Benthem	2, 3
OIDD 525	Thinking with Models: Business Analytics for Energy and Sustainability	Kimbrough	1, 2
OIDD 761 / OIDD 261 / BEPP 261 / BEPP 761 / BEPP 961 / ESE 567	* Risk Analysis and Environmental Management	Faculty	2, 3
OIDD 762 / LGST 762	* Environmental Sustainability and Value Creation	Survis	1
OIDD 763 / BEPP 763	* Energy Markets & Policy	Van Benthem	2, 3

WHARTON SCHOOL OF BUSINESS

SUSTAINABILITY INCLUSIVE

Course Number	Course Title	Professor/Instructor	Tags
FNCE 256	* Energy Finance	Gilje	2, 3
BEPP 230 / FNCE 230 / REAL 230	* Urban Fiscal Policy	Ferreira	3
FNCE 230 / BEPP 230 / REAL 230	* Urban Fiscal Policy	Ferreira	3
LGST 220 / LGST 820	* International Business Ethics	Berkey/Laufer	3
LGST 820 / LGST 220	* International Business Ethics	Berkey/Laufer	3
OIDD 615	Operations Strategy	Faculty	3
OIDD 673	Global Supply Chain Management	Faculty	3
REAL 230 / BEPP 230 / FNCE 230	* Urban Fiscal Policy	Ferreira	3
REAL 946	* Advanced Topics in Urban Economics	Ferreira/Durnaton	1

LIBERAL & PROFESSIONAL STUDIES

SUSTAINABILITY FOCUSED CONTINUING EDUCATION

Course Number	Course Title	Professor/Instructor	Tags
CLCH 220	Atmospheric Science	Andrews	1
CLCH 230	Climate Change	Bordeaux	1
CLCH 310	Global Environmental Issues	Bordeaux	1, 3

SUSTAINABILITY INCLUSIVE CONTINUING EDUCATION

Course Number	Course Title	Professor/Instructor	Tags
CLCH 160	Oceanography	Dmochowski	1, 2
CLCH 300	Communicating Science	Scheyder	1
GLBS 200	Globalization: Social, Economic, and Political Aspects	Guillén	1

BIANNUAL COURSES

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
BEPP 761 / BEPP 261 / BEPP 961 / ESE 567 / OIDD 261 / OIDD 761	Risk Analysis and Environmental * Management	Faculty	2, 3
CHEM 012	* Environmental Chemistry	Faculty	1, 2
COML 151 / CIMS 150 / ENVS 150 / GRMN 150	Water Worlds: Cultural Responses to Sea * Level Rise & Catastrophic Flooding	Richter/Simon	1, 3
DYNM 658	* Fundamentals of Sustainability	Finn/Hedge	1
EAS 301 / EAS 505	Climate Policy and Technology	Huemmler	3
EAS 403 / EAS 503	Energy Systems and Policy	Huemmler	3
LGST 215 / LGST 815	* Environmental Management: Law and Policy	Light/Orts	3
LGST 613	* Business, Social Responsibility, and the * Environment	Orts	3
LGST 762 / OIDD 762	Environmental Sustainability and Value * Creation	Survis	1
PHYS 016	* Energy, Oil, and Global Warming	Faculty	1, 2
STSC 218	Climate Change: Science, Technology and Society	Turner	1, 3

BIANNUAL COURSES

SUSTAINABILITY FOCUSED

Course Number	Course Title	Professor/Instructor	Tags
ANTH 127 / ARTH 127 / CLST 127 / HIST 127 / NELC 187	* The Material Past in a Digital World	Cobb	1
ANTH 317 / LALS 317	The Politics of Matter and the Matter of * Politics	Lyons	3
CHEM 251	* Principles of Biological Chemistry	Faculty	1, 2
EAS 306 / EAS 506	Electricity and Systems Markets	Faculty	2
GEOL 125	* Earth and Life Through Time	Perez-Rodriguez	1
GSWS 007 / SOCI 007	Population and Society	Flippen/Harknett/ Kohler/Zuberi	1
GSWS 122 / SOCI 122	The Sociology of Gender	Leidner	1
HIST 173 / AFRC 078 / URBS 178	Urban University-Community Relations: Faculty-Student Collaborative Action in * Urban University-Community Relations	Harkavy	3
LALS 317 / ANTH 317	The Politics of Matter and the Matter of * Politics	Lyons	3
LGST 220 / LGST 820	* International Business Ethics	Berkey/Laufer	3
NPLD 791	* Leadership: Designing the Future	Smith	1, 3
REAL 946	* Advanced Topics in Urban Economics	Ferreira/Durnaton	1
SOCI 111 / HSOC 111	Health of Populations	Elo/Kohler	1, 3
SOCI 238 / COMM 203	Media, Culture & Society in Contemporary China	Yang	1
SOCI 453 / URBS 453	Metropolitan Growth and Poverty	Madden	1, 2
SWRK 736	* Building Community Capacity	Koppisch	1
URBS 178 / AFRC 078 / HIST 173	Urban University-Community Relations: * Faculty-Student Collaborative Action in	Harkavy	3

BIANNUAL COURSES

Urban University-Community Relations

HSOC 111 / SOCI 111	Health of Populations	Elo/Kohler	1, 3
HSOC 432	Medical Activism and the Politics of Health	Barnes	1, 3
ENVS 601	Proseminar: Contemporary Issues in Environmental Studies	Bordeaux/Colijn	1