**GRAND CHALLENGE LEARNING (GCL)**

GCL Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/GCL)

**Courses**

**GCL 101 Introduction to Energy Sources** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/101)
Explanation of energy technologies using an elementary approach presupposing no prior scientific or technical background. Coverage of all energy sources including fossil fueled, solar, hydro, and nuclear power. Integral demonstrations and a tour of the University's power plant. Discussion of energy related incidents with emphasis on environmental, economic, and social impact. Credit is not given for both GCL 101 and NPRE 101.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Nat Sci Tech - Phys Sciences
- Quantitative Reasoning II

**GCL 124 Sustainable Earth** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/124)
Provides an introduction to sustainability that explores how today's human societies can endure in the face of global change, ecosystem degradation, and limited resources. Emphasizes the fundamentals of the physical sciences and the scientific method while also exploring the special impact of sustainability challenges on minority cultures in the U.S.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Nat Sci Tech - Phys Sciences

**GCL 125 Health and Wellness in Life Sciences** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/125)
Grand Challenge Learning course in the Health & Wellness pathway. Introduces students to the fundamentals of life sciences with an emphasis on health & wellness and experiential learning through projects, design-based thinking, community-engaged scholarship, or field trips.
Topics vary by section.
This course satisfies the General Education Criteria for:
- Grand Challenge-Health/Well
- Nat Sci Tech - Life Sciences

**GCL 126 Sustainability and Social Science** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/126)
Grand Challenge Learning course in the Sustainability, Energy & the Environment pathway. Introduction to the fundamentals of social science with an emphasis on environmental sustainability and experiential learning through projects, design-based thinking, community-engaged scholarship, or field trips.
Topics vary by section.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Social Beh Sci - Soc Sci

**GCL 127 History and Philosophy of Sustainable Design** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/127)
Grand Challenge Learning course in the Sustainability, Energy & the Environment pathway Introduction the history of sustainable design practices that prepares students to think about, act upon and share their growing knowledge Focuses on environmental philosophy, and "systems thinking", with an on active, engaged participation in a variety of learning activities, design challenges, and field experiences.
Topics vary by section.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Humanities - Hist Phil

**GCL 128 Sustainability in Fiction** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/128)
Grand Challenge Learning course in the Sustainability, Energy & the Environment Pathway. Exploration of how narrative fiction focused on sustainability -- such as "cli-fi" (dystopian fiction about climate change) -- shapes our relation to the natural world. Includes experiential learning projects.
Topics vary by section.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Humanities - Lit Arts

**GCL 129 Sustainable Design** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/129)
Interdisciplinary Grand Challenge Learning pilot course in the Sustainability, Energy & the Environment pathway. Provides an introduction to sustainable art forms, media, and/or the social function of art as it relates to sustainability.
Topics vary by section. Each section emphasizes experiential learning through design-based thinking and practice supplemented by field trips and community-engaged scholarship in comparative contexts.
This course satisfies the General Education Criteria for:
- Grand Challenge-Sustainability
- Humanities - Lit Arts
- Cultural Studies - Non-West

**GCL 137 Documenting Inequality** credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/137)
Exploration of how economic and social inequality affects the lives of children and minors in the U.S.--especially in minority communities--through the study of documentary film, photography and other kinds of socially conscious art. Students will watch and critique documentaries made by artists and filmmakers in the areas of Education, Housing, and Law Enforcement; go behind the scenes at the Krannert Art Museum to investigate the museum's documentary holdings; and make their own documentary projects. Final projects will be exhibited in the Krannert Art Museum at the end of the semester. Part of the Grand Challenge Learning Inequality & Cultural Understanding pathway.
This course satisfies the General Education Criteria for:
- Grand Challenge-Inequality
- Humanities - Lit Arts
- Cultural Studies - US Minority

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Information listed in this catalog is current as of 06/2018
GCL 143  Mapping Inequalities  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/143)
Grand Challenge Learning course in Inequality & Cultural Understanding. Immerges students in the history of Inequality in the United States through mapping the geographic, historical, and/or social movement of minority cultures using quantitative and social science methods.
Topics vary by section, but each section emphasizes experiential learning through community-engaged scholarship, field-trips, or computer programming projects. No previous computer programming experience is required. No previous computer programming experience is required.
This course satisfies the General Education Criteria for:
Grand Challenge-Inequality
Quantitative Reasoning II
Social Beh Sci - Soc Sci
Cultural Studies - US Minority

GCL 144  Stereotypes, Prejudice & Discrimination  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/144)
Grand Challenge Learning course in Inequality & Cultural Understanding provides an interdisciplinary introduction to questions related to societal inequality. Each section emphasizes experiential learning through, for example, field trips or hands-on, community-based research projects.
This course satisfies the General Education Criteria for:
Social Beh Sci - Beh Sci
Grand Challenge-Inequality
Cultural Studies - US Minority

GCL 145  Social Justice and the Arts  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/145)
Interdisciplinary Grand Challenge Learning course in the Inequality & Cultural Understanding pathway. Provides an introduction to the social dimensions of art and its use in social justice movements. Each section emphasizes experiential learning through projects, design-based thinking, community-engaged scholarship, or field trips.
This course satisfies the General Education Criteria for:
Grand Challenge-Inequality
Humanities - Lit Arts
Cultural Studies - US Minority

GCL 146  Fundamental Causes of Disease: The HIV/AIDS Pandemic  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/146)
Examination of the HIV/AIDS pandemic globally and locally. Introduces students to the fundamentals of the socio-demographic tradition, including risk behaviors and contexts and data skills associated with epidemiology. Upon completing the course, students will be better informed about the HIV/AIDS pandemic, familiar with core social science theories, and able to develop and assess public health measures and models in addition to enhanced core academic skills (critical reading skills, note taking, data analysis, and writing).
Prerequisite: This course is intended for first and second year students.
This course satisfies the General Education Criteria for:
Grand Challenge-Inequality
Social Beh Sci - Soc Sci

GCL 147  Social Justice in the Social Sciences  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/147)
Interdisciplinary Grand Challenge Learning course in the Inequality and Cultural Understanding Pathway. Exploration of causes and solutions to inequality from a variety of viewpoints, such as sociology, economics, political science, and journalism. Includes experiential learning projects.
Topics vary by section.
This course satisfies the General Education Criteria for:
Grand Challenge-Inequality
Social Beh Sci - Soc Sci
Cultural Studies - US Minority

GCL 148  Historical Perspectives on Social Justice  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/148)
Grand Challenge Learning course in the Inequality & Cultural Understanding pathway. Focuses on the historical dimensions of Inequality & Cultural Understanding from an interdisciplinary perspective and emphasizes experiential learning through projects, community-engaged scholarship, video conferences with experts and other collaborative classroom activities. Topics vary by section.
This course satisfies the General Education Criteria for:
Grand Challenge-Inequality
Humanities - Hist Phil

GCL 185  Health, Wellness, and the Black Experience  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/185)
Exploration of issues relating to health in African American communities such as environment, lifestyle, chronic disease, intervention, research, policy, social justice and cultural experience. Includes experiential learning projects as part of the Grand Challenge Learning Initiative.
This course satisfies the General Education Criteria for:
Grand Challenge-Health/Well
Social Beh Sci - Soc Sci
Cultural Studies - US Minority

GCL 186  Health and Society  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/186)
Grand Challenge Learning course in Health & Wellness. Engages the social dimensions of Health & Wellness from an interdisciplinary perspective and emphasizes experiential learning through projects, design-based thinking, community-engaged scholarship or field-trips.
Topics vary by section.
This course satisfies the General Education Criteria for:
Grand Challenge-Health/Well
Social Beh Sci - Soc Sci

GCL 187  Morality, Methods, and Medicine: Formal and Philosophical Approaches to Health in Society  credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/187)
Interdisciplinary, experiential Grand Challenge Learning course in Health & Wellness. Exploration of the ways methodological and moral principles interact to inform policy choices related to health and society; consideration of topics of ethical and public policy concern (e.g., abortion, animal experimentation, drug and trials, organ donation, vaccination, and provision of healthcare), with an emphasis on relevant formal, quantitative tools (e.g., probability, statistics, decision theory, modal logic, and graphical causal modeling).
This course satisfies the General Education Criteria for:
Grand Challenge-Health/Well
Humanities - Hist Phil
Quantitative Reasoning II
GCL 188  Health and Wellness in Literature  
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/188)
Grand Challenge Learning course in the Health & Wellness pathway. 
Exploration of creative, literary responses to the issue of Health & 
Wellness from an interdisciplinary perspective with an emphasis on 
experiential learning. Topics vary by section.
This course satisfies the General Education Criteria for: 
Grand Challenge-Health/Well 
Humanities - Lit Arts

GCL 195  Fictions of Equality  
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/195)
Grand Challenge Learning course in the Inequality & Cultural 
Understanding pathway. Introduces students to how fiction on the 
topic of Inequality shapes social and cultural understanding of the 
topic. Topics vary by section but each emphasizes experiential learning 
through, for example, projects, community engaged scholarship, field 
trips, archival work, or experimental writing.
This course satisfies the General Education Criteria for: 
Grand Challenge-Inequality 
Humanities - Lit Arts 
Cultural Studies - Western

GCL 199  Undergraduate Open Seminar  
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/199)
Topics course that varies each semester and by section. The topics 
offered each semester will be listed in the Class Schedule. May be 
repeated as topics vary.
This course satisfies the General Education Criteria for: 
Grand Challenge-Inequality

GCL 200  Frameworks for Inequality  
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/200)
Different disciplines approach issues of inequality in distinct ways. This 
course presents an interdisciplinary introduction to the study of 
social inequality. Co-taught by faculty from the arts, humanities, and social 
sciences, it addresses how inequality related to work, race and ethnicity, 
gender, urban space, incarceration, global debt and migration relate to 
one another and across disciplinary boundaries. Presentations by visiting 
activists will expose students to contemporary social justice efforts to 
address inequalities. Meets twice per week: on Tuesdays all students 
meet together, and on Thursdays the class breaks into small seminars, 
each led by one of the course's main instructors. Credit is not given for 
both GCL 200 and GCL 201.
This course satisfies the General Education Criteria for: 
Grand Challenge-Inequality 
Humanities - Hist Phil 
Cultural Studies - US Minority

GCL 201  Frameworks for Inequality & Cultural Understanding - ACP 
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/201)
Frameworks for Inequality & Cultural Understanding introduces students 
to one of the most urgent social issues of our era: economic and racial 
inequality. As an innovative course in Grand Challenge Learning, GCL 201 
gathers expert faculty from across campus—all renowned for excellent 
teaching and research. Students will explore inequality across the arts, 
natural sciences, humanities, and social sciences while earning General 
Education credit in US Minority Cultures and Humanities & the Arts.
GCL 201 meets twice per week: on Tuesday for a lecture that gathers all 
students and faculty, and Thursdays in seminars of up to 20 students.
Through this unique structure, students benefit from the expertise of 
seven different faculty while joining a seminar with one professor and a 
small network of peers. Registration for GCL 201 includes the lecture as 
well as enrollment in one of the participating professor's seminars (for a 
total of 3 credit hours). Credit is not given for both GCL 201 and GCL 200.
Prerequisite: Completion of campus Composition I requirement.
This course satisfies the General Education Criteria for: 
Advanced Composition 
Grand Challenge-Inequality 
Humanities - Hist Phil 
Cultural Studies - US Minority

GCL 210  Frameworks for Sustainability, Energy, & the Environment 
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/210)
Different disciplines approach issues of sustainability in different 
ways. This course presents an interdisciplinary introduction to the study 
of sustainability, energy and the environment. Co-taught by faculty 
from the humanities, social sciences, natural sciences, business, and 
ingineering, it addresses how environmental and energy sustainability 
challenges are not only technical problems but are also social, political 
and economic ones. Students will be able to evaluate various problems 
and solutions to enhance energy and environmental sustainability. Meets 
twice per week: first for a lecture that includes all students and faculty, 
and next in individual faculty-led seminars. Through this structure, 
students benefit from the expertise of multiple faculty while participating 
in a seminar with one professor and a small network of peers.
This course satisfies the General Education Criteria for: 
Grand Challenge-Sustainability 
Humanities - Hist Phil 
Cultural Studies - Western

GCL 220  Frameworks for Health & Wellness: Building Healthy 
Communities  
credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/GCL/220)
Different disciplines approach issues of health and wellness in distinct 
ways. This class gathers faculty from the life sciences, humanities, and 
social sciences to help students build a deep understanding of distinct 
approaches to health that connect with particular lifestyles, families, 
cultures, and communities. Students will be able to evaluate goals and 
strategies to enhance health and wellness. Meets twice per week: first 
for a lecture that includes all students and faculty, and next in individual 
faculty-led seminars. Through this structure, students benefit from the 
expertise of multiple faculty while participating in a seminar with one 
professor and a small network of peers.
This course satisfies the General Education Criteria for: 
Grand Challenge-Health/Well 
Humanities - Hist Phil 
Cultural Studies - Western

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GCL 299 Interdisciplinary Research Experience  credit: 3 Hours.
(https://courses.illinois.edu/schedule/terms/GCL/299)
Introduces students to interdisciplinary research and the skills needed to become an effective researcher. Enables students to conduct authentic research in one of the campus’s interdisciplinary research centers under the supervision and mentorship of faculty. Approved for S/U grading only. May be repeated in separate terms up to 6 credit hours if topics vary.
Prerequisite: Registration by permission of instructor.