MASTER OF ARTS PROGRAM
IN THE SOCIAL SCIENCES

Courses

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- John Mark Hansen

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General Information

The MA Program in the Social Sciences (MAPSS) is an intense, intellectually transformative one-year program. Students concentrate in Anthropology, Economics, History, Political Science, Psychology, and Sociology. Some pursue interdisciplinary work in Comparative Human Development, Social Thought, or Conceptual and Historical Studies of Science. Others may specialize in one of our 7 concentrations: Quantitative Methods for Social Analysis, Education and Society, Gender and Sexuality Studies, Computational Social Science, Latin American & Caribbean Studies, Geographic Information Science, and SIFK Formation of Knowledge.

All MAPSS students take nine graduate courses, selected from all UChicago departments and professional schools. They work directly with UChicago faculty on the MA thesis.

Students are assisted in their course selections and offered regular mentorship for their research by doctoral student preceptors and by MAPSS senior staff.

MAPSS is highly selective for admission and offers substantial merit aid.

We offer preeminent training for those aspiring to go on for funded PhD study in the social sciences. Each year over 100 of our graduates do so successfully, at a 90% placement rate. More than 100 MAPSS graduates are pursuing the PhD at UChicago alone.

MAPSS also offers exceptional of career preparation with our in-house Career Services Office. Our programming includes one-on-one advising, regular workshops, on-campus recruitment, and visits by leading alumni who provide mentorship in a variety of fields. Over 90% of our graduates accept full-time or part-time employment or are in pursuit of a PhD 6 months after graduation.
Each student works closely with program directors, MAPSS senior academic staff and an assigned preceptor to design a customized curriculum, define an area of scholarly research, and write an MA thesis.

A joint BA/MA program is also available.

PROGRAM REQUIREMENTS AND COURSE WORK

MAPSS students must complete our core course, satisfy our methods requirement, and earn a minimum B as their cumulative grade over their nine graduate courses. Students must also submit a faculty-approved MA thesis.

COURSE WORK

Our core course, “Perspectives in Social Science Analysis,” examines the theoretical and methodological approaches that have been broadly influential across the social sciences. It features a mix of foundational and contemporary texts. The course furnishes a common vocabulary and core analytical skills that help students understand how their research commitments have been shaped by past investigators.

Because Perspectives is offered only in the Autumn Quarter, students may not begin the MAPSS program at any other time of year.

Students must also fulfill a methods requirement. MAPSS offers courses in historical, ethnographic, statistical, and interpretive methods. Dozens of other methods courses, including network analysis, game theory, involved interviewing, comparative case study, rational choice, comparative historical analysis, experimental methods, organizational analysis, survey research, and statistical methods are offered across campus each year.

Courses are selected with the guidance of a MAPSS preceptor. Students register for three graduate classes per quarter, beginning in the Fall and continuing through the Winter and Spring. They take graduate courses in all departments and professional schools of the University.

THE MASTER’S THESIS

Students write an article-length MA thesis under the supervision of any UChicago faculty member. Their preceptor provides regular assistance, and serves as the paper’s second reader.

The preceptor organizes and leads an MA proposal workshop in the Winter.

Both the faculty sponsor and the preceptor provide feedback on the proposal, the first draft, and give a written evaluation and letter grade for the final submission.

Approximately 20% of MAPSS students graduate in June, and 80% in August.

SAMPLE THESIS TOPICS

Some recent MA paper titles include:

"Class or Group Identity? Rethinking the 1967-69 Ocean Hill-Brownsville School Strikes for Left Coalitional Politics"

"Poisoned Futures: Pesticide Usage and Agrarian Suicides in Vidarbha, India"

"Stagnant Employees: Signals of Performance Decline over Tenure Length"

"Performing at Free Street: At-Risk Adolescents’ Experiences in a Dramatic Arts Program"

"Deepening Democracy or Diverting Attention? Participatory Democracy and the Community Council Movement in Venezuela"

"Pricing the Atmosphere: Commensuration and the Case of the Chicago Climate Exchange"

"Democratic Leadership in Athens and its Role in Thucydides’ Political Thought"

"Impact of Rural-Electrification on Educational Outcomes: Evidence from India"

"The Socialization of Math Anxiety: The Relationship Between Early Math Talk and Later Math Attitudes"

"Capacity and the Duty to Intervene: Considerations on the Agency Problem of Humanitarian Intervention"

"Neural Activity Reflecting Affective Impact of Addressee and Emotional Words in Speech Perception"

"Intimate Segregation: Gentrification and the New Landscape of Race"

ADMISSION

MAPSS applicants must meet the formal requirements of the Graduate Social Sciences Division.

Please see this page (https://mapss.uchicago.edu/apply/standardized-tests/) for current GRE policy in the Division. For those disciplines that require them, GRE scores are important but play a small role in our review.
Master of Arts Program in the Social Sciences

There are wide variations in the students we admit, and we are much more forgiving than the typical PhD program.

Financial aid is merit based, and MAPSS offers tuition scholarships at the time of admission. Some financial need based grants may be available through an application process after prospective students are admitted.

Joint BA/MA applicants pay graduate tuition rates, and are eligible to receive the same aid they had in the College.

Applicants from non-English speaking countries must provide evidence of English proficiency by submitting scores from either the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS).

Some non-native English speakers are exempt if they have studied in an English language University. Please contact our Dean of Students Office with any questions: ssd-admissions@uchicago.edu

Part-time study is possible, but part-time students are not eligible for financial aid.

HOW TO APPLY

The Application for Admission and Financial Aid, with instructions and deadlines, is available online at: https://apply-ssd.uchicago.edu/apply/.

For additional information about our program, please contact E.G. Enbar, our Student Affairs Administrator, at 773-702-8312 or egenbar@uchicago.edu.

Please also visit our website, at: https://mapss.uchicago.edu/

COURSES MA IN SOCIAL SCIENCES

MAPS 30000. Perspectives in Social Science Analysis. 100 Units.
This course presents a set of perspectives that can be used as coordinates to map the modern social sciences. Perspectives are stances from which social thinkers see the world and explain the world. The course is meant to bring students together around a shared reading list of foundational works and exemplary research and to develop a shared vocabulary for how to discuss differences among various types of research.
Instructor(s): John Mark Hansen Terms Offered: Autumn

MAPS 30124. Computational Analysis of Social Processes. 100 Units.
How does the human social and cultural world develop and change? The focus of this course is on introducing computational methods for studying the evolution of phenomena over time, alongside relevant theories for interpreting these processes from fields such as History, Anthropology, and Sociology. Students will gain hands-on experience using the Python programming language to harness a diverse set of digital data sources, ranging from satellite images to social media posts. Additionally, they will learn to employ computational approaches, such as simulation and dynamic topic modeling, to study social processes over a variety of different time scales: from the short term (changes in social media network structures over the course of the past week), to longer term (the evolution of English language discourse over the past 100 years), to deep time scales (long-term settlement pattern dynamics over the past 10,000 years).
Instructor(s): Jon Clindaniel Terms Offered: Autumn
Equivalent Course(s): MACS 30124

MAPS 30233. Race in Contemporary American Society. 100 Units.
This survey course in the sociology of race offers a socio-historical investigation of race in American society. We will examine issues of race, ethnic and immigrant settlement in the United States. Also, we shall explore the classic and contemporary literature on race and inter-group dynamics. Our investigative tools will include an analysis of primary and secondary sources, multimedia materials, photographic images, and journaling. While our survey will be broad, we will treat Chicago and its environs as a case study to comprehend the racial, ethnic, and political challenges in the growth and development of a city.
Instructor(s): S. Hicks-Bartlett Terms Offered: Autumn Spring. Autumn quarter offered at the Undergraduate level only and Spring offered at the Graduate level only
Equivalent Course(s): SOCI 20233, CRES 20233, SOCI 30233

MAPS 30600. MA Writing and Research. 100 Units.
Student initiated research and writing for the MA thesis.
Instructor(s): John Hansen Terms Offered: Spring Winter

MAPS 30900. Survey Research Overview. 100 Units.
The course provides an overview of interview-based data collection methods. Each student must develop a research question to guide their research design. Students get an overview of different interview-based data collection methods (focus groups, key-informant interviews, large-N sample surveys), how to sample and design a questionnaire or interview guide for their project, and the nuts and bolts of actual recruitment, receipt control and survey administration. The instructor provides feedback for proposed elements of each student’s research plan through weekly assignments. The final paper is a research proposal that outlines a plan for research to address the student’s research question.
Instructor(s): M. Van Haitma Terms Offered: Autumn Winter. entativley
Equivalent Course(s): SOCI 30118, SOSC 30900

MAPS 31455. Crises in American Democracy. 100 Units.
This course will examine a series of crises in the history of American democracy, from the contested origins of self-government in the 18th century to the present. We will consider direct, existential threats to democracy on multiple scales, from the racist coup d’etat of Wilmington, North Carolina in 1898 to the global antidemocratic insurgencies of the mid-20th century, along with subtler crises of intellectual confidence and self-justification within democracy. Readings will focus on concrete historical experience in the United States, but we will also make interdisciplinary forays into the political science of democratic deconsolidation and the normative theory of democracy, and will consider international contexts as crucial to the evolution of popular sovereignty in the United States.
Instructor(s): John McCallum Terms Offered: Autumn

MAPS 31500. Historical Methods. 100 Units.
This course offers a graduate-level introduction to professional historical methods, with a dual focus on contemporary historiographical trends and hands-on practice with archival material. Students will read one recent book each week and will use classroom discussions to consider how the text fits into larger arguments and trends in the field. Students will also work collaboratively to examine published, digital, and manuscript archives relating to a cluster of topics to be determined in the first two weeks of the quarter. Advanced undergraduates, particularly students with a strong interest in archival research, may enroll with instructor permission.
Instructor(s): John McCallum Terms Offered: Winter
Note(s): Open to MAPSS students only.

MAPS 31501. The Craft of History. 100 Units.
This course offers a graduate-level introduction to professional historical methods, with a dual focus on contemporary historiographical trends and hands-on practice with archival material. Students will read one recent book each week and will use classroom discussions to consider how the text fits into larger arguments and trends in the field. Students will also work collaboratively to examine published, digital, and manuscript archives relating to a cluster of topics to be determined in the first two weeks of the quarter. Advanced undergraduates, particularly students with a strong interest in archival research, may enroll with instructor permission.
Instructor(s): John McCallum Terms Offered: Winter

MAPS 31502. Foucauldian Analytics of Power. 100 Units.
The topic of this graduate seminar will be Foucault’s pathbreaking theorization of power. After briefly examining alternative conceptions of power in political thought, we will consider the impetus for Foucault’s post-archaeological turn to the question of power and track the development of the concept through his publications and lecture courses. Our basic aim will be to grasp the particularities of the forms of power he identifies (disciplinary power, biopower, pastoral power), with special attention to their historical specificity, relation to knowledge and the subject, and modes of resistance, as well as the theme of political rationality. Along the way we will ask: What is it possible to say about power in general? What political possibilities do these analytics open or foreclose? The last few weeks of the course will be devoted to recent book-length studies that theorize power-relations through a Foucauldian lens.
Instructor(s): Dawn Herrera Terms Offered: Spring
Equivalent Course(s): FNDL 21505

MAPS 31503. Sarah Baartman through Schitt’s Creek: an Introduction to Gender and Popular Culture. 100 Units.
Throughout the twentieth century, scholars from Simone de Beauvoir through Judith Butler have argued that genders are learned, enacted and ascribed identities, worked out through interaction. As such, the production of ‘gender’ is carried out to some extent in relation to cultural models and artifacts that people use to make sense of, model and reject gendered identities, characteristics and roles. This course takes popular culture, including film, television, literature and social media, as a starting point for understanding the often taken-for granted characteristics deemed gendered in Western culture and elsewhere. Attending to race, class, sexuality, age and other social categorizations throughout, we will draw on representation and cultural theory as well as ethnographic works, mingling a close reading of theorists such as Erving Goffman and bell hooks with detailed attention to the latest reality show or trending hashtag. While we will focus primarily on the most widely disseminated and economically powerful imagery, we will also attend to alternative, resistant and activist media. This is an introductory graduate-level course; graduate students at all levels are invited to join, selected spots are reserved for advanced undergraduates.
Instructor(s): Mary Elena Wilhoit Terms Offered: Spring
Note(s): Undergrad cap at 5
Equivalent Course(s): ANTH 32930, GNSE 31503, GNSE 21503

MAPS 31504. Ethnographic Approaches to Power and Resistance. 100 Units.
This introductory graduate course will examine understandings of power articulated by influential political theorists and ethnographers. We will explore key theoretical concepts, including discipline, governmentality,
sovereignty, hegemony, agency, and resistance, as well as their application within textured, intersubjective, and affectively oriented ethnographic texts. Seeing power grounded in tentative and unstable practices, we will focus on the tensions between nation-states, informal networks, and the actions and aspirations of individual subjects. How are attempts to consolidate power articulated in performances, narrative histories, and acts of exclusion and violence? How are competing de facto and de jure powers negotiated in various spaces ranging from the institutional to the intimate? The centrality of both physical violence and the complacency born of the naturalized hegemony of political institutions and economic rationality will arise in our examinations of political mobilization and possibility. This course will give students opportunities to develop conceptual understandings of various modes of power that offer insights into the forces of colonialism, global interconnectivity, and violence that shape the 21st century world.

Instructor(s): Victoria Gross Terms Offered: Spring

MAPS 31505. Critical Approaches to Labor Studies. 100 Units.
Work occupies a central role in our lives. This course will provide a critical overview of labor studies. We will cover topics such as the concept of the working class; labor process theory; perspectives on labor market segmentation based on race, ethnicity, gender, class, and migrant status; the types of jobs that are available in the labor market, and what they mean for the workers who hold them. While covering the entire field of labor studies is beyond the scope of any single course, we will draw upon selected readings examining occupations in agriculture, manufacturing, hospitality and high-tech sectors from different parts of the world. We also cover labor issues in the informal and the gig economy. This course is open to students across disciplines interested in critical labor studies. It is particularly recommended for thesis proposal writers. The section is not mandatory but attendance is encouraged.

Instructor(s): Amit Anshumali Terms Offered: Autumn

MAPS 31506. The Anthropology of Bodily Modification. 100 Units.
From the urge to dye one’s hair through the desire to reshape the body entirely, humans have desired to modify their corporeal forms throughout documented history. This is, in fact, one disposition or ability that seemingly sets humans apart from many cousin species. But our processes of bodily modification are also intrinsically cultural—one person’s adornment is another’s mutilation. In this class we examine bodily modification practices cross-culturally, studying the mundane and the extreme, from shaving to tattooing to neck-lengthening to medically unnecessary amputation. We examine gendered forms, from makeup to Botox to foot-binding, and we interrogate racialized and post-colonial practices, such as hair straightening, skin-bleaching, and plastic surgery. We will trace desires for bodily modification across time and space and consider the body as the earliest canvas, examining the very earliest evidence of bodily adornment, which appears to predate so-called cave painting. In short, we will attempt to historicize, contextualize and give meaning to cross-cultural behaviors of bodily modification, using ethnographic texts, cultural theory and historical and archaeological evidence.

Instructor(s): Mary Elena Wilhoit Terms Offered: Spring

Note(s): This is an introductory graduate level course; undergraduates are welcome with instructor consent.

MAPS 31507. Work in the Informal and the Gig Economy. 100 Units.
In this course, we will understand work organization and labor practices in the informal as well as the gig (or the platform) economy. We would particularly examine issues of labor recruitment and control in the informal and the gig economy using the lens of gender, race, social class and other identities. The course is open to undergraduates and graduate students, and would be of particular use for students planning to write a senior honors thesis or a master’s thesis proposal or a dissertation research proposal. This course also serves as one of the approved electives for the Inequality, Social Problems and Change minor in the College, and for students in SSA’s master program of study on Addressing Inequality: Innovations in Policy Practice.

Instructor(s): Amit Anshumali Terms Offered: Winter

MAPS 31508. The Collective Self: Critical Reflections on Coming Together and Breaking Apart. 100 Units.
This course will examine the historical contingencies and ideological underpinnings of concepts and practices of identity, understood most broadly as delineations between self and other. Starting with understandings of individual and collective personhood developed in enlightenment philosophical discourse, entrenched in the modern nation-state, and expanded through the violence of colonialism, we will trace the production and reproduction of interconnected forms of identity - ethnic, cultural, national, and religious - in practices of boundary making that always remain incomplete. Grounded in the humanistic social sciences and focused in particular on anthropology, this course will introduce seminal theories of identity and difference in order to provide a range of resources to help students interrogate allegiances articulated in the tones and textures of everyday life, as well as in modern-day eruptions of large-scale violence.

Instructor(s): Tori Gross Terms Offered: Spring

MAPS 31509. Migration and Development. 100 Units.
In this multidisciplinary course, we examine the key issues and problems of migration (internal & international) and development. This overview course draws on scholarship from a variety of perspectives including sociology, demography, applied economics, anthropology, human rights, gender and labor studies. While the literature on migration is extensive and beyond the scope of a single course, the readings in this class are based on empirical
research that deals with the interrelationship between migration and development. The course is open to undergraduates and graduate students, and would be of particular use for students planning to write a senior honors thesis or a master’s thesis proposal or a dissertation research proposal. This course also serves as one of the approved electives for the Inequality, Social Problems and Change minor in the College, and for students in SSA’s master program of study on Addressing Inequality: Innovations in Policy Practice.

MAPS 31599. Digital Ethnography. 100 Units.
How can one complete an ethnographic project during a pandemic? What does it mean to do participant observation online? What changes when interviews move to a digital format? This methods course prepares graduate students for ethnographic research in an online environment. We will discuss practical steps to put together a research project—from research design to data collection and analysis. We will cover epistemological, ethical, and practical matters in online ethnographic research, and read articles and books showcasing methods for the study of virtual worlds (both game and nongame). Students will be required to formulate a preliminary research question at the beginning of the course and will conduct a few weeks of ethnographic research in a virtual field site of their choosing. Each week students will produce field notes to be exchanged and discussed in class, and as a final project they will be asked to write a research proposal or a short paper based on their observations. This is an online course which features a blend of synchronous discussions and asynchronous ethnographic assignments.

MAPS 31600. Ethnographic Methods. 100 Units.
As ethnography has matured over the past century, it has also extended itself into all corners of academia, becoming a cornerstone for empirical research not just in anthropology, but the humanities, social sciences, professional schools, and at times the natural sciences as well. What, then, is the appeal of this process of knowledge production? What are the norms of ethnographic research? And what does it take to become a skilled ethnographer? This course will attempt to answer those questions through a mixture of theory and practice. Each week we will discuss foundational anthropological texts on method, complemented with practicums and workshops, during which students will apply the theoretical insights gained from their readings to their own empirical research projects. The course will cover both the practicalities of fieldwork (how to find and get access to a site, how to build rapport with informants and make lasting contacts, how to conduct different kinds of interviews, etc), as well as the deeper ethical, epistemological and ontological issues raised by ethnography (the problems of representation, the ethics of participant observation, the subject position of the ethnographer). Through that students will learn how to embody a rigorous, theoretically informed, and critically reflective methodological practice and will demonstrate a skilled understanding of this through their own “mini-ethnography,” which will be undertaken on a topic of their choosing.

MAPS 31701. Data Analysis & Statistics. 100 Units.
This course is designed for graduate students and advanced undergraduate students and aims to provide a strong foundation in the statistical and data analyses commonly used in the behavioral and social sciences. Topics include logistic regression, statistical inference, chi-square, analysis of variance, and repeated measures models. In addition, this course also place greater emphasis on developing practical skills, including the ability to conduct common analyses using statistical software. You will learn how to build models to investigate your data, formulate hypothesis tests as comparisons between statistical models and critically evaluate model assumptions. The goal of the course is for students to be able to define and use descriptive and inferential statistics to analyze and interpret statistical findings.

MAPS 31702. Data Science. 100 Units.
This course is a graduate-level methods class that aims to train you to solve real-world statistical problems. The goal of the course is for students to be able to choose an appropriate statistical method to solve a given problem of data analysis and communicate your results clearly and succinctly. There will be an extensive hands-on experience of analysis of real data through practical classes.

MAPS 31750. Data Analysis for Social Research. 100 Units.
The purpose of this course is help students build a solid foundation of statistical methods for social research and become proficient in using computer software for survey data analysis. Techniques acquired in this class are essential for social scientific research, and in graduate programs in sociology and professional schools such as social work, as well as job market positions which require basic to intermediate quantitative skills. Topics of this course range from the nuts and bolts of probability distributions and statistical inference to multivariate regression and its diagnostics. This course is intensive and moves pretty fast, and students are expected to work hard to have these skills “imprinted” in their minds. Further, students will have the opportunity to conduct a mini-research exercise in the second half of this course.
Instructor(s): Muh-Chung Lin Terms Offered: Autumn

MAPS 31800. Interpretive Methods in Political Theory. 100 Units.
This seminar offers a graduate-level survey of the major interpretive schools in contemporary political thought.
Instructor(s): Dawn Herrera Helphand Terms Offered: Winter
Equivalent Course(s): SOCI 31800

MAPS 32900. Revising History: Modern American Case Studies. 100 Units.
How do historians change their mind? What kinds of evidence reverse old judgments, how is error diagnosed, and how do new interpretations take root? When does "revisionism" give rise to lasting controversies, and when do scholars simply shrug off old debates and turn to new questions? This course offers a graduate-level introduction to the bread-and-butter of the professional historian: the constant reconsideration of the past as a provisional body of knowledge. Readings will be drawn from modern U.S. history and will explore a series of major case studies including recent reevaluations of populism, immigration, race and empire, conservative thought, economic inequality, and environmentalism. This course is open to advanced undergraduates with instructor consent and can fulfill the methods requirement for MAPSS students.
Instructor(s): John McCallum Terms Offered: Autumn

MAPS 33007. Schooling and Social Inequality. 100 Units.
How and why do educational outcomes and experiences vary across student populations? What role do schools play in a society's system of stratification? How do schools both contribute to social mobility and to the reproduction of the prevailing social order? This course examines these questions through the lens of social and cultural theory, engaging current academic debates on the causes and consequences of social inequality in educational outcomes. We will engage these debates by studying foundational and emerging theories and examining empirical research on how social inequalities are reproduced or ameliorated through schools. Through close readings of historical, anthropological and sociological case studies of schooling in the U.S., students will develop an understanding of the structural forces and cultural processes that produce inequality in neighborhoods and schools, how they contribute to unequal opportunities, experiences, and achievement outcomes for students along lines of race/ethnicity, class, gender, and immigration status, and how students themselves navigate and interpret this unequal terrain. We will cover such topics as neighborhood and school segregation; peer culture; social networks; elite schooling; the interaction between home, society and educational institutions; and dynamics of assimilation for students from immigrant communities.
Instructor(s): Lisa Rosen Terms Offered: Autumn. Offered 2021-22
Note(s): Enrollment consent-only
Equivalent Course(s): SOCI 30298, EDSO 33006

MAPS 33009. Research Practice Partnerships in Education. 100 Units.
Research and data are vital for educational improvement, yet researchers often wonder why their findings are not used in practice while policymakers and practitioners long for useful information to guide their work. Research-practice partnerships provide a mechanism for producing research that is relevant to decision-making and useful to practice. They focus research on questions that are immediately pressing to practice, incorporate practitioner knowledge, and communicate findings in ways that are attentive to the broader political context in which educators work. In this class, we will examine the ways in which data and research are used in policy and practice. We will consider the various conceptual models that exist around the production and use of research, and the realities of how those models operate in practice. We will learn about different approaches to conducting research-practice partnerships, and examine particular examples of work-considering how the work was done, what was learned, and how the research was used in policy or practice. The course will also consider the challenges involved in developing and maintaining research-practice partnerships, and structures that can facilitate the work.
Instructor(s): Elaine Allensworth Terms Offered: Spring. Offered 2021-22
Prerequisite(s): It is recommended that students take Introductory Statistics or a research methods course concurrent with or prior to this course.
Note(s): Students will find it helpful to have prior knowledge of education policy, and a basic understanding of research methods and policy evaluation.
Equivalent Course(s): EDSO 23009, EDSO 33009

MAPS 33129. Transnational Queer Politics and Practices. 100 Units.
This course aims to examine gender and sexual practices and identities in a transnational perspective. As people and ideas move across national, cultural, and racial borders, how is sexuality negotiated and redefined? How are concepts such as "global queerness" and the globalization of sexualities leveraged for change? How are queer identities and practices translated, both culturally and linguistically? To explore transnational articulations of queerness we will draw on a range of theoretical perspectives, including postcolonial, feminist, queer, and indigenous approaches to the study of sexualities. We will engage with scholarship on the politics of global gay rights discourses, on the sexual politics of migration, and on the effects of colonialism and neoliberal capitalism. By analyzing queer experiences and practices in a transnational context, our goal is to decenter and challenge Western-centric epistemologies and to dive into the complexities of cultural representations of queerness around the globe.
Instructor(s): Cate Fugazzola Terms Offered: Spring
Equivalent Course(s): GNSE 33119, SOCI 30323, GLST 23129, GNSE 23119
MAPS 33313. Marx: Themes and Variations. 100 Units.
We will begin with an intensive survey of major themes in the work of Marx (and Engels), with attention to their antecedents in philosophy and course of development from the early to the late work. We will then revisit these themes through some of their most prominent variations in contemporary critical theory, including the Frankfurt School, Black Marxism, (post)structuralism, and feminism.
Instructor(s): Dawn Herrera Helphand Terms Offered: Spring
Equivalent Course(s): FNDL 23315

MAPS 33315. The Origins of Totalitarianism. 100 Units.
An in-depth study of Hannah Arendt’s pathbreaking Origins of Totalitarianism and selected recent scholarship. We will proceed thematically through the work’s three volumes: 1) Antisemitism; 2) Imperialism, and 3) Totalitarianism. Topics under discussion will include the nation-state, colonialism, race, refugee rights and mass politics.
Instructor(s): Dawn Herrera Terms Offered: Spring
Equivalent Course(s): FNDL 28506

MAPS 33501. Gender, Sex, and Empire. 100 Units.
This course examines the complex and contested relationships between gender, sex, sexuality, social organization and power in histories of (primarily British) imperialism and colonialism from the early conquests in the New World through the twentieth century. Employing insights from gender history, postcolonial studies and feminist theory, we look at a broad range of historical case studies to explore themes such as the intersectionality of race, class and gender; the instability of gender ideologies; how power was articulated through the categories of gender and sexuality; the politics of intimacy; and the regulation and ‘improvement’ of colonial bodies. Our goal is to better understand the ways that gender, sex, sexuality and Western imperialism were co-constitutive in distinctive colonial contexts, and the ways that techniques of power were borrowed, adapted and homogenized across the Western imperial world in response to changing political and economic imperatives.
Instructor(s): Darcy Heuring Terms Offered: Spring
Equivalent Course(s): GNSE 25706, GNSE 33501, HIST 23308

MAPS 33502. Gender, Sex, and Culture. 100 Units.
This introductory graduate course examines the social construction of gendered identities in different times and places. We study culturally-specific gendered experiences, ‘roles,’ rights and rebellions around the world, discussing the individual and social consequences of gender and the interrelationships between gender and other categories for identity including race, class and sexuality. While focusing on the global diversity of gendered experience and expectations, we also examine gender in the US, taking a critical approach to understanding gendered inequality and gender-based and sexual violence both abroad and at home. Finally, we examine the role of gendered expectations in Western science, the relationship between gender and ‘globalization,’ and the contemporary movements affecting change in gendered norms, especially in the arts and media. Advanced Undergraduates admitted with Instructor consent.
Instructor(s): Mary Elena Wilhoit Terms Offered: Autumn
Prerequisite(s): Advanced Undergraduates admitted with Instructor consent.
Equivalent Course(s): ANTH 25216, ANTH 32925, GNSE 33501, GNSE 23506

MAPS 33506. Ethnographic Research Methods: Theory, Practice and Application. 100 Units.
This introductory graduate course examines ethnography, the primary research methodology of Anthropologists and a technique also employed by many other social scientists. We study the evolution of ethnographic practices and ethnographic writing over the last 150 years, and we practice the methods of ethnography, including sampling techniques, participant observation, interview techniques and various kinds of data analysis, throughout. We examine alternative forms of ethnography such as visual ethnography, testimonio or life-history, and autoethnography to better understand the ever-evolving techniques anthropological research can take, and we devote significant study to the application of ethnographic research outside the field of Anthropology and outside the academy. Beginning in week two students will design their own ethnographic research project, writing up a formal proposal and progress reports; this project eventually provides the data for their final paper in the class. Undergraduates admitted with Instructor consent.
Instructor(s): Mary Elena Wilhoit Terms Offered: Winter
Equivalent Course(s): SOCI 30321

MAPS 33508. Anthropology of Power, Status, and Performance. 100 Units.
This introductory graduate course examines the nature of power and status through the theoretical lens of performativity. We will engage with notions of performativity, articulated by influential theorists of linguistics, gender, and religion, that demonstrate the abilities of performances to effect change in the world. Thinking with performativity, we will interrogate practices of negotiating power and status in a broad range of social, political, and geographical contexts. How is the power made and unmade through particular acts? How is status, a particular type of power differentiation, created collectively and individually through acts of saying and doing? Such questions will animate our explorations of power and status in recent ethnographies focused on Asia, the Americas, and Europe.
Instructor(s): Victoria Gross Terms Offered: Winter
Equivalent Course(s): ANTH 34735, GNSE 22770, ANTH 22770
MAPS 33600. War, Law, Norms: Violence and Its Limits. 100 Units.
Violent contention is ubiquitous in the human past, but so are ethical norms and legal rules which seek to put limits on permissible attacks against others. Do they work? Can scraps of paper, or collective conscience, put the brakes on a dynamic of destruction which would otherwise lead to unconstrained killing? This graduate colloquium will look at this fundamental question through the lens of a rapidly evolving historical literature on the laws and ethics of war, ranging from the arbitration of blood feuds in the Icelandic Sagas through the surprising influence of the much-denied 1928 Kellogg-Briand Pact outlawing war on the unfolding of 21st century history.
Instructor(s): John McCallum Terms Offered: Spring
Note(s): Undergraduates by consent

MAPS 34500. Anthropology of Museums I. 100 Units.
Using anthropological theories and methodology as a conceptual framework, this seminar will explore the organizational and ideological aspects of museum culture(s). The course includes visits to museums with guest museum professionals as guides into the culture of museums.
Equivalent Course(s): CHDV 34501, ANTH 24510, SOSC 34500, ANTH 34501, MAPH 34400

MAPS 34512. Ethnographic Writing: Practices of Research and Representation. 100 Units.
This course gives students opportunities to develop their own craft of ethnography through hands-on research and writing and in-depth explorations of recent ethnographic work. Ethnography, "the writing of a people," by definition, refers to groups of people as its object and to processes through which an ethnographer attempts to represent such groups. It also refers to academic texts that are the product of an ethnographer's representational efforts. In this course, students will engage with ethnography multivalently - as research practice, analytical generalization, and literary product. We will reflect upon processes of representation through which ethnographers apply their findings to groups (implicitly or explicitly) and the choices and interpretations they make along the way. Some questions we will ask are: How does the ethnographer deploy particular signifiers, such as modes of communication, spatial and architectural configurations, and historical contexts to make arguments? How is language used to represent experience convincingly? With these questions in mind, we will approach book and article-length ethnographies focusing on four expansive themes: migration, global interconnectivity, nation-states, and neoliberalism. Our readings will inform students' development of their own ethnographic practices. This course will be especially helpful to MA and advanced undergraduate students engaged in the production of ethnographic theses.
Instructor(s): Victoria Gross Terms Offered: Winter
Equivalent Course(s): ANTH 25720, ANTH 35720

MAPS 34513. Unsettling Sovereignty: Political Practices and Personal Aspirations. 100 Units.
This introductory graduate course will explore competing sovereignties as tentative, emergent, and contested forms of authority and control. Focusing on the tensions between nation-states, informal/illegal networks, and the actions and aspirations of individual subjects, we will interrogate sovereignty as both a deferred personal aspiration and a political practice. What are the roles of performances, narrative histories, and acts of exclusion and violence in the making of sovereignties? How are competing de facto and de jure sovereignties negotiated at the levels of individual subject, community, and nation-state? The centrality of both physical violence and the consent and complacency born of the naturalized hegemony of political institutions and economic rationality will arise in our close readings of ethnographic texts on political mobilization and precarious authorities.
Instructor(s): Victoria Gross Terms Offered: Winter
Equivalent Course(s): ANTH 22750, ANTH 34725

MAPS 34700. Language, Culture and Development. 100 Units.
This course is designed to be an interdisciplinary class that explores research in early cognitive development within the field of language, culture and the self. We will discuss a variety of topics in cognitive development, as well as important questions concerning language and culture. This course will touch upon research across development to document early biases in human reasoning that might persist through the lifespan, and will emphasize how we can use basic science research to inform educational goals and make positive contributions to addressing issues related to language and culture.
Instructor(s): Peishan Fan Terms Offered: Winter
Prerequisite(s): Open only for graduate students and 4th year undergraduates. Undergraduates must have instructor consent.
Equivalent Course(s): CHDV 34710, EDSO 34700, PSYC 33920

MAPS 35150. Anthropology of Israel. 100 Units.
This seminar explores the dynamics of Israeli culture and society through a combination of weekly screenings of Israeli fiction and documentary films with readings from ethnographic and other relevant research. Among the (often overlapping) topics to be covered in this examination of the institutional and ideological construction of Israeli identity/ies: the absorption of immigrants; ethnic, class, and religious tensions; the kibbutz; military experience; the Holocaust; evolving attitudes about gender and sexuality; the struggle for minorities' rights; and Arab-Jewish relations.
Instructor(s): Morris Fred Terms Offered: Spring
Equivalent Course(s): ANTH 25150, JWSC 25149, CMES 35150, ANTH 35150, NEHC 35147, NEHC 25147
MAPS 36400. Aging and the Life Course. 100 Units.
Over the last few decades, life course has become an important perspective for sociologists, demographers, and gerontologists to understand the social processes of aging. This seminar course introduces key concepts of the theories of aging and the life course, as well as empirical findings on the social, demographic, and economic aspects of the demographics of aging. While biology and physiology play crucial role in aging, such as greater longevity and the delayed onset of morbidity, this course focuses on the social processes of aging and the role of social stratification in shaping health and well-being. In addition, this course will discuss the policy implications of aging.
Instructor(s): Muh-Chung Lin Terms Offered: Spring

MAPS 36450. Marriage and Family. 100 Units.
Marriage and the family are two important building blocks in many societies. Marriage and the family not only constitute essential parts of an individual’s inner world, shape his or her perspectives towards life and the outside world, they also have far reaching effects on an individual’s well-being, ranging from physical and mental health, income and wealth, to his or her integration to the social network and community. This course aims to introduce students to the sociological literature on marriage and the family. We will cover stages through which a romantic relationship evolves over time, from dating and courtship, sexual relationship to cohabitation and marriage, as well as divorce and widowhood. We will also discuss socioeconomic differences in childrearing practices, kinship, and social stratification and the family. This course focuses largely on patterns in the contemporary U.S. society, and yet we will also explore their historical roots and international differences.
Instructor(s): Muh-Chung Lin Terms Offered: Winter Equivalent Course(s): GNSE 36450

MAPS 36500. Social Demography. 100 Units.
This course seeks to introduce important topics in social demography to master and upper-level undergraduate students. Social demography studies the social aspects influencing the population processes. Specifically, this course focuses on basic demographic concepts, fertility transition, extreme fertility regimes, epidemiological transition, differential health and mortality, health behaviors, population aging, migration, household formation, second demographic transition, and population and environment. Students are evaluated by their participation, leading discussions, reflection memos, and a final project.
Instructor(s): Muh-Chung Lin Terms Offered: Spring Equivalent Course(s): PBPL 26501

MAPS 36601. Watergate and American Democracy. 100 Units.
Contemporary American history begins with the Watergate crisis and the resignation of Richard Nixon from the presidency. But how does Watergate fit into the wider fabric of American history? This course considers the implications of Watergate for American democracy in a wider chronological perspective, beginning with the revolutionary generation’s ambivalence about monarchial power and ending with the legacies of Nixon’s scandal for his successors.
Instructor(s): John McCallum Terms Offered: Spring

MAPS 36900. Anthropology of Disability. 100 Units.
This seminar undertakes to explore “disability” from an anthropological perspective that recognizes it as a socially constructed concept with implications for our understanding of fundamental issues about culture, society, and individual differences. We explore a wide range of theoretical, legal, ethical, and policy issues as they relate to the experiences of persons with disabilities, their families, and advocates. The final project is a presentation on the fieldwork.
Instructor(s): M. Fred Terms Offered: Autumn Prerequisite(s): Third- or fourth-year standing Equivalent Course(s): HMRT 35210, ANTH 30405, ANTH 20405, HMRT 25210, CHDV 20505, CHDV 30405, SOSC 36900

MAPS 39200. Latin American Religions, New and Old. 100 Units.
This course will consider select pre-twentieth-century issues, such as the transformations of Christianity in colonial society and the Catholic Church as a state institution. It will emphasize twentieth-century developments: religious rebellions; conversion to evangelical Protestant churches; Afro-diasporan religions; reformist and revolutionary Catholicism; new and New Age religions.
Instructor(s): D. Borges Terms Offered: Autumn Equivalent Course(s): RLST 21401, HIST 29000, HCHR 39200, HIST 39000, LACS 39000, CRES 29000, LACS 29000, CRES 39000

MAPS 40164. Involved Interviewing: Strategies for Interviewing Hard to Penetrate Communities and Populations. 100 Units.
Imagine that you must interview someone who hails from a background unlike your own; perhaps you need to interview an incarcerated youth, or gather a life history from an ill person. Maybe your task is to conduct fieldwork inside a community that challenges your comfort level. How do we get others to talk to us? How do we get out of our own way and limited training to become fully and comfortably engaged in people and the communities in which they reside? This in-depth investigation into interviewing begins with an assumption that the researcher as interviewer is an integral part of the research process. We turn a critical eye on the interviewer’s role in getting others to talk and learn strategies that encourage fertile interviews regardless of the
situational context. Weekly reading assignments facilitate students' exploration of what the interview literature can teach us about involved interviewing. Additionally, we critically assess our role as interviewer and what that requires from us. Students participate in evaluating interview scenarios that are designed to explore our assumptions, sharpen our interviewing skills and troubleshoot sticky situations. We investigate a diversity of settings and populations as training ground for leading effective interviews. The final project includes: 1) a plan that demonstrates knowledge of how to design an effective interviewing strategy for unique field settings; 2) instructor's feedback on students' personal journals on the role of. Instructor(s): S. Hicks-Bartlett Terms Offered: Autumn Winter Prerequisite(s): Advanced Undergraduates MUST obtain permission from instructor to enroll. Equivalent Course(s): SOCI 40164

MAPS 40177. Coding & Analyzing Qualitative Data: Using Open-Source Computer Asst. Qualitative Data Analysis. 100 Units. This is a graduate-level course in coding and analyzing qualitative data (e.g., interview transcripts, oral histories, focus groups, letters, and diaries, etc). In this hands-on course students learn how to organize and manage text-based data in preparation for analysis and final report writing of small scale research projects. Students use their own laptop computers to access one of two free, open-source software programs available for Windows, Mac, and Linux operating systems. While students with extant interview data can use it for this course, those without existing data will be provided text to code and analyze. This course does not cover commercial CAQDAS, such as AtlasTi, NVivo, The Ethnograph or Hypertext. Instructor(s): S. Hicks-Bartlett Terms Offered: Spring Winter Equivalent Course(s): SOCI 40177

MAPS 40200. Seminar: Bourdieu/Sociobiography. 100 Units. This seminar explores the conceptual architecture of Pierre Bourdieu’s social theory, with special attention to its implications for biography and autobiography. Instructor(s): John MacAloon Terms Offered: Spring Equivalent Course(s): ANTH 40165

MAPS 40401. Computation and the Identification of Cultural Patterns. 100 Units. Culture is increasingly becoming digital, making it more and more necessary for those in both academia and industry to use computational strategies to effectively identify, understand, and (in the case of industry) capitalize on emerging cultural patterns. In this course, students will explore interdisciplinary approaches for defining and mobilizing the concept of “culture” in their computational analyses, drawing on relevant literature from the fields of Anthropology, Psychology and Sociology. Additionally, they will receive hands-on experience applying computational approaches to identify and analyze a wide range of cultural patterns using the Python programming language. For instance, students will learn to identify emerging social movements using social media data, predict the next fashion trends, and even decipher ancient symbols using archaeological databases. Instructor(s): Jonathan Clindaniel Terms Offered: Autumn Prerequisite(s): No previous coding experience required. A Python boot camp will be held at the beginning of the quarter to teach the coding skills necessary to succeed in the course. Open to Advanced Undergraduates with Instructor Permission. Equivalent Course(s): CHDV 40404, PSYC 40460, MACS 40400

MAPS 41500. MA Research Methods. 000 Units. This in-person course will foster the development of the students' scholarship through regular interaction with their preceptors. In this course, students will work with preceptors to both synthesize the individualized coursework into a cohesive curriculum and to plan and execute the MA thesis, from choosing research questions, selecting an appropriate research design, elaborating their chosen methodology, conducting research, and writing up their results. Instructor(s): John Hansen, Michael Albertus, James Evans Terms Offered: Autumn Spring Winter Equivalent Course(s): INRE 41500, CMES 41500, MACS 41500

MAPS 47501. Anthropology of Olympic Sport. 100 Units. If cultural differences are as powerful as Anthropology has conventionally stressed, how is it possible that over 200 national and innumerable sub-national and transnational cultural formations have found common cause in the modern Olympic Games? This course explores, theoretically and historically, the emergence of the Olympic Games as the liturgy of the world system of nation states and the current dialectic between the Olympic Movement and the Olympic Sports Industry. Extensive reading and an independent research paper will be required. Instructor(s): John MacAloon Terms Offered: This course was offered Winter 2020 Equivalent Course(s): SOSC 25090, ANTH 20420, ANTH 30420

COURSES ECMA

ECMA 30750. The Theory of Market Design. 100 Units. This course will provide an introduction to social choice, two-sided matching, house allocation, school choice, and the recent theoretical developments in kidney exchange. We will develop formal, mathematical language to evaluate and compare different mechanisms including deferred acceptance, top trading cycles, the probabilistic serial mechanism and others. Our approach will be axiomatic; we will explore the tradeoff between the
efficiency, incentive compatibility and fairness in the design of mechanisms. This course will be proof-based, so is appropriate for advanced students acquainted with formal mathematical reasoning.
Instructor(s): J. Root Terms Offered: Autumn
Prerequisite(s): ECON 20100/20110 and MATH 20300/20310/20700

ECMA 30770. Decision and Strategy. 100 Units.
ECON 20700 or 30770 may be used as an economics elective, but only one may be used toward degree requirements. This course provides a formal introduction to game theory with applications in economics. We will study models of how individuals make decisions, and how those decisions are shaped by strategic concerns and uncertainty about the world. The topics will include the theory of individual choice, games of complete and incomplete information, and equilibrium concepts such as Nash equilibrium. The applications will include oligopoly, auctions, and bargaining. The course is appropriate for advanced undergraduates who are interested in a rigorous mathematical approach to understanding human behavior.
Instructor(s): B. Brooks Terms Offered: Winter
Prerequisite(s): Prerequisites for Undergraduates: ECON 20100/ECON 20110 and MATH 20300/MATH 20310/MATH 20700, or consent of instructor

ECMA 30780. Decision and Strategy II. 100 Units.
We continue the formal introduction to decision theory and game theory begun in ECMA 30780, with a specific focus on models of incomplete information. Topics covered include subjective expected utility, Bayesian games, contract theory, and mechanism design. Among the applications we will consider are auctions, collusion, entry deterrence, and strategic communication. The course is appropriate for advanced undergraduates who are interested in a rigorous mathematical approach to decision making in strategic situations.
Instructor(s): B. Brooks Terms Offered: Spring
Prerequisite(s): ECON 20770/ECMA 30770 or consent of instructor

ECMA 30800. Theory of Auctions. 100 Units.
In part, this course covers the analysis of the standard auction formats (i.e., Dutch, English, sealed-bid) and describes conditions under which they are revenue maximizing. We introduce both independent private-value models and interdependent-value models with affiliated signals. Multi-unit auctions are also analyzed with an emphasis on Vickrey's auction and its extension to the interdependent-value setting.
Instructor(s): P. Reny Terms Offered: Winter
Prerequisite(s): PQ for Undergraduates: ECON 20100 (or Econ 20110), and MATH 20300 (or Math 20310 or Math 20700), and STAT 23400, 24400 or STAT 24410

ECMA 31000. Introduction to Empirical Analysis. 100 Units.
This course introduces students to the key tools of econometric analysis: Probability theory, including probability spaces, random variables, distributions and conditional expectation; Asymptotic theory, including convergence in probability, convergence in distribution, continuous mapping theorems, laws of large numbers, central limit theorems and the delta method; Estimation and inference, including finite sample and asymptotic statistical properties of estimators, confidence intervals and hypothesis testing; Applications to linear models, including properties of ordinary least squares, maximum likelihood and instrumental variables estimators; Non-linear models. Assignments will include both theoretical questions and problems involving data. Necessary tools from linear algebra and statistics will be reviewed as needed.
Instructor(s): J. Hardwick Terms Offered: Autumn
Prerequisite(s): PQs for Undergraduates: Econ 21030 or Econ 21110 or Econ 21130

ECMA 31130. Topics in Microeconometrics. 100 Units.
This course focuses on micro-econometric methods that have applications to a wide range of economic questions. We study identification, estimation, and inference in both parametric and non-parametric models and consider aspects such as consistency, bias and variance of estimators. We discuss how repeated measurements can help with problems related to unobserved heterogeneity and measurement error, and how they can be applied to panel and network data. Topics include duration models, regressions with a large number of covariates, non-parametric regressions, and dynamic discrete choice models. Applications include labor questions such as labor supply, wage inequality decompositions and matching between workers and firms. Students will be expected to solve programming assignment in R.
Instructor(s): T. Lamadon Terms Offered: Autumn
Prerequisite(s): PQs for Undergraduates: Econ 21030 or Econ 21110 or Econ 21130

ECMA 31320. Applications of Econometric and Data Science Methods. 100 Units.
This course builds on the theoretical foundations set in Econ 21030 and explores further topics pertinent to modern economic applications. While the course content may change from year to year according to student and instructor interests, some potential topics are panel data methods, treatment effects/causal inference, discrete choice/limited dependent variable models, demand estimation, and topics in economic applications of supervised and unsupervised learning algorithms. The course will involve analytically and computationally intensive assignments and a significant empirical project component.
Instructor(s): A. Hortacsu Terms Offered: Spring
Prerequisite(s): CMSC 12300/15200/16200 and ECON 21020 (ECON 21030 Honors Econometrics preferred) or consent of instructor
ECMA 31330. Econometrics and Machine Learning. 100 Units.
This course reviews a number of modern methods from econometrics, statistics and machine learning, and presents applications to economic problems. Examples of methods covered are simulation-based techniques, regularization via coefficient and matrix penalization, and regression and classification methods such as trees, forests and neural networks. Applications include economic models of network formation, and dimension reduction for structural economic models. The course involves programming and work with data. Beyond econometric background such as Econ 21030, students should have a solid background in computation.
Instructor(s): S. Bonhomme Terms Offered: Not offered in 2019-2020
Prerequisite(s): CMSC 12300/15200/16200 and ECON 21020 (ECON 21030 Honors Econometrics preferred)

ECMA 31340. Big Data Tools in Economics. 100 Units.
The goal of the class is to learn how to apply microeconomic concepts to large and complex datasets. We will first revisit notions such as identification, inference and latent heterogeneity in classical contexts. We will then study potential concerns in the presence of a large number of parameters in order to understand over-fitting. Throughout the class, emphasis will be put on project-driven computational exercises involving large datasets. We will learn how to efficiently process and visualize such data using state of the art tools in python. Topics will include fitting models using Tensor-Flow and neural nets, creating event studies using pandas, solving large-scale SVDs, etc.
Instructor(s): T. Lamadon Terms Offered: Autumn
Prerequisite(s): PQs for Undergraduates:ECON 20100/20110 and ECON 21020/21030

ECMA 33240. Quantitative Analysis of Macroeconomic Policy. 100 Units.
This course focuses on application and covers three commonly used models in macroeconomics, including structural VAR, DSGE models and state space and regime switching models. Various research tools developed to implement these models, such as how to identify structural shocks and analyze their dynamic effects, and how to conduct counter-factual policy simulations, will be discussed and implemented.
Instructor(s): Staff Terms Offered: Winter
Prerequisite(s): ECON 21200 or STAT 26100 or BUSN 41202 or Instructor Consent

ECMA 33330. Introduction to Dynamic Economic Modeling. 100 Units.
This course provides an introduction to dynamic economic models, with applications to macroeconomics, labor economics, financial economics, and other subfields of economics. The core methodology will be consistent over time, but the applications will vary from year to year. The course will analyze decentralized equilibrium and social planner's problems in dynamic environments. It will focus on developing techniques for analyzing such models graphically, analytically, and computationally. Students should be familiar with constrained optimization (e.g. Lagrangians), linear algebra, and difference equations, as well as microeconomics, macroeconomics, and econometrics at an intermediate level.
Instructor(s): R. Shimer Terms Offered: Winter
Prerequisite(s): ECON 20200 (or ECON 20210) and ECON 21020 (or ECON 21030)
Equivalent Course(s): ECON 23330