

Goldman School of Public Policy
Fall 2014 Courses
Last Updated 8/11/2014

Please note: The schedule is subject to change and we will send out periodic updates

🔊 Undergraduate Electives 🔊

98-1 (2) Group Study in Public Policy (DeCal)

Course Facilitator: Andrew Woo

Instructor of Record: Jane Mauldon

Topic: PolitiCAL: Golden State Politics Made Easy

This course analyzes California state and local government, direct democracy, current political issues, and the budgeting process. What does California state government and its institutional relationships look like? What is direct democracy, and its effects on governance? What are the current political, social, and fiscal issues the state faces in the 21st century?

With its 38 million residents, the state of California has been known for its vibrant social and cultural diversity, economic preponderance in its advanced technology and agricultural sectors, and propensity in being a political trailblazer for the rest of the nation. However, California is no longer the undisputed "The Golden State." To many, California suffers from several issues such as increasing political gridlock, widening social disparities, and what some argue is an institution of direct democracy that has undermined effective governance. This course will help students understand (1) the historical and existing institutions of California state government (2) the Progressive Era and the Rise of Direct Democracy (3) the California budgeting process and fiscal reforms (4) contemporary state issues.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77103	Grp	001	Th	5-7	150 GSPP	

98-2 and 98-3 (2) Group Study in Public Policy (DeCal)

Course Facilitator: Shawn Sieu-Nguyen

Instructor of Record: Rucker Johnson

Topic: Successful Argumentation in Student Government

As one of the only multimillion dollar nonprofit student run organizations, UC Berkeley's student government (ASUC) is at the forefront for initiating projects for change. Environmental sustainability, campaigns against sexual violence, affordable housing, and transparency are among the many topics that the ASUC tackles. How exactly do complex organizations such as Berkeley's ASUC actually run? How does change happen on campus? How does one begin the slating process and run for an elected position? This course will investigate the ASUC's function and efficacy, with students learning how to create and pass bills and how to run a successful campaign to be an elected official in student government.

This course is geared to potential and current public policy minors who want to learn how to be an elected or appointed official for student government. Students who also apply to the ASUC's internship program at asuc.org/intern will have priority for the class and be able to put learned concepts into practice and have access to networking opportunities. Contact the course facilitator, Shawn Sieu at shawnsieu@berkeley.edu for course related questions. This course begins on the 5th week of classes, Sept 23/24.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77106	Grp	002	T	7-9	105 North Gate	
77108	Grp	003	W	6-8	141 McCone	

101 (4) Introduction to Public Policy Analysis

Steven Raphael

A systematic and critical approach to evaluating and designing public policies. Combines theory and application to particular cases and problems. Diverse policy topics, including environmental, health, education, communications, safety, and arts policy issues, among others.

Special Note: The waitlist enrollment is limited to 20 seats. Final enrollment is 95 seats, with priority from the waitlist as follows:

- Senior minor students (who have officially declared their minor standing prior to Fall 2014 and have taken at least **two** PP courses)
- Junior minor students (who have officially declared their minor standing prior to Fall 2014 and have taken at least **one** PP courses)
- Seniors & Juniors
- Others, including concurrent enrollment

Instructions to submit your minor paperwork can be found here:

http://gspp.berkeley.edu/programs/minor_program.html

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77112	Lec	001	MW	10-11:30	250 GSPP	
77112	Dis	101	M	12-1	355 GSPP	
77115	Dis	102	M	1-2	355 GSPP	
77118	Dis	103	Tu	8-9	355 GSPP	

C142 (4) Applied Econometrics and Public Policy**Card, D E**

Three hours of lecture and zero to one hour of discussion/laboratory per week.

Prerequisites: ECON 140 or ECON 141 or consent of instructor. This course focuses on the sensible application of econometric methods to empirical problems in economics and public policy analysis. It provides background on issues that arise when analyzing non-experimental social science data and a guide for tools that are useful for empirical research. By the end of the course, students will have an understanding of the types of research designs that can lead to convincing analysis and be comfortable working with large scale data sets. Also listed as Economics C142 and Political Science C131A.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77121	Lec	001	TTh	11-12:30	247 Cory	
77124	Dis	101	M	9-10	3111 Etch	
77127	Dis	102	M	1-2	285 Cory	

C184 (4) Energy and Society**Dan Kammen**

Three hours of lecture and one hour of discussion per week. Energy sources, uses, and impacts: an introduction to the technology, politics, economics, and environmental effects of energy in contemporary society. Energy and well-being; energy in international perspective, origins, and character of energy crisis. Also listed as Energy and Resources Group C100.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77130	Lec	001	TTh	2-3:30	245 Li Ka Shing	
77133	Dis	101	T	1-2	185 Barrows	
77136	Dis	102	T	1-2	151 Barrows	
77139	Dis	103	T	1-2	109 Morgan	
77142	Dis	104	W	10-11	3 Evans	
77145	Dis	105	W	9-10	151 Barrows	
77148	Dis	106	W	9-10	85 Evans	
77151	Dis	107	M	9-10	285 Cory	
77154	Dis	108	M	9-10	185 Barrows	
77156	Dis	109	M	10-11	185 Barrows	
77433	Dis	110	M	1-2	151 Barrows	

190-1 (4) Special Topics in Public Policy**Rucker Johnson****Topic: Poverty and Inequality**

Four hours of lecture per week. This course will examine the nature and extent of poverty in the U.S., its causes and consequences, and the antipoverty effects of existing and proposed government programs and policies. The types of questions to be addressed include the following: What is poverty? Why is poverty so persistent? Why are poverty rates for minorities so high? Is there a culture of poverty? What are the interrelationships among poverty, family structure, inner city neighborhoods, labor market conditions and public policies? Is poverty passed on from generation to generation? The first ten weeks of this course (Topics 1-6) focuses on social science theory and evidence about the causes, consequences and costs of poverty. The last four weeks of the course (Topics 7-9) examines child poverty policies, employment policies, and setting an overall agenda for poverty policy.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77157	Lec	001	TTh	8-10am	105 GSPP	

190-2 (3) Special Topics in Public Policy**Blas Perez Henriquez****Topic: Markets, Politics, and Policy Making**

This course will explore the political economy of developing and implementing market-based solutions such as emissions trading for environmental control. Also, students will analyze and debate the pertinence of government interventions in different areas of the economy to foster low carbon business transformation and green growth, access to higher education, and responsible finance. Course materials and instruction will emphasize a comparative perspective based on the international experience and practice in these policy areas, as well as the role of the private sector in addressing these issues.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77160	Lec	002	W	2-5	250 GSPP	

190-3 (3) Special Topics in Public Policy**Larry Magid****Topic: The Politics of Public Policy**

Getting the policy right is important, but it's not enough. To transform a policy recommendation into reality a policy professional must secure support from political decision makers and often the public as well. This course offers students a practicum in political analysis, strategy and communication. Through hands-on in-class and take-home exercises students will analyze political environments, develop strategies to generate public support, build coalitions, and effectively advocate and negotiate for public policy proposals. Topics we will examine include: Political strategy, framing issues, effective communication, leadership, advocacy; building coalitions, and empowering and motivating individual and group action. We will examine various forums in which politics is practiced, as well as the many players practicing politics in these forums. The course will involve interaction with elected officials, political candidates, community organizers, campaign and communications professionals, lobbyists, and political strategists.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77161	Lec	03	Th	1-4	355 GSPP	

190-4 (3) Special Topics in Public Policy**Visiting Professor Robert M. Stern****Topic: The International Economy: Concepts and Policy Issues**

Purpose: Broad overview of international economics and the international economy.

Prerequisite: Previous or concurrent coursework in economics at the introductory level, or beyond.

Topics to be Covered Include: Institutions of the International Economy; Comparative Advantage and the Gains from Trade; Modern Theories and Additional Effects of Trade; Tariffs; Non-Tariff Barriers; Reasons for Protection; U.S. Trade Policies and Institutions; World Trade Arrangements and the WTO; Preferential Trading Arrangements and the NAFTA; International Business; Outsourcing and Offshoring; International Migration of Labor; Environment, Labor Standards, and Trade; International Policies for Economic Development, Trade, Aid, and Financial; The Balance of Trade and Other Measures of International Transactions; Exchange Rates; Pegging the Exchange Rate; International Macroeconomics; The Eurozone Sovereign Debt Crisis; The Global Financial Crisis.

Intended for: Undergraduate students and graduate students in the Goldman School of Public Policy and graduate students in other UC programs. Prerequisite: Completion of Economics 100A/B (Micro and Macroeconomics), or the equivalent, with at least a grade of B.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77162	Lec	04	TTh	4-5:30	355 GSPP	

190-5 (3) Special Topics in Public Policy**Timothy M. Dayonot****Topic: Negotiations**

Three hours of lecture per week. The objective of this course is to improve negotiation skills and to increase the ability to resolve conflicts in a multitude of situations, including public policy disputes. Topics will include: distributive and integrative bargaining; preparation strategies; defense to ploys; power and perceptions; team and multi-party negotiations; political, legislative and regulatory negotiations; emotions and gender, email negotiations, handling difficult negotiators, impact of personality traits and public policy mediation. Simulated negotiation exercises and role-plays will be used extensively.

As topics vary from year to year, course may be repeated for credit.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77163	Lec	006	M	6-9	250 GSPP	14

190-6 (3) Special Topics in Public Policy**Steve Maurer****Topic: WMD Terrorism**

The idea that terrorists could acquire and use weapons of mass destruction (WMD) acquired new urgency after September 11. Yet public discussions still rely on Hollywood clichés at least as much as science. This course will present what is known about the WMD terrorism threat and how the US can respond. Topics will include terrorist incentives for acquiring WMD; the technology behind nuclear, radiological, biological, and chemical weapons; methods for allocating scarce defense resources and promoting the development of new technologies; and international initiatives designed to limit WMD proliferation and fight terrorism. Course requirements will include a mid-term, term paper, final exam, and individual class participation. Course examines current problems and issues in the field of public policy. As topics vary from year to year, course may be repeated for credit.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77166	Lec	006	TTH	5-6:30	105 GSPP	

190-11 (3) Special Topics in Public Policy**Saru Jayaraman****Topic: The Fight for Food Justice: Mass Movement or Consumer Culture?**

This course will discuss a wide range of current social justice campaigns and policy debates relating to the food system, including: corporate consolidation of farmland and meat, poultry, and dairy processing; labor conditions in the food system; food insecurity and access to healthy food in low-income communities; and transparency with regard to food labeling. The course will in particular examine: corporate consolidation throughout the food system has impacted each of these issues and many more; activists' varied responses to these trends; and how policy instruments and regulatory levers can be used to change the way the U.S. food system operates. Students will be exposed to current local, state, and federal policy campaigns and to real-world activists, organizers, and policy experts engaged in these campaigns. In every class, we will examine not only the issues involved but current efforts to address the issues.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77177	Lec	011	W	2-5	155 Kroeber	

190-12 (3) Special Topics in Public Policy

Roy Ulrich

Topic: Tax and Budget Policy

This course analyzes the main features of our tax system. What is meant by fairness, efficiency, and simplicity in taxation and how do we choose among these different goals? How do special interests affect tax policy outcomes? How does the tax law treat the wealthy, the middle class, and the poor? Is major tax reform possible and, if so, what direction should reform take? The main objective will be for students to gain a deeper understanding of some of the major tax and budget policy issues and choices facing policy makers and the country today.

Note: There are no prerequisites for this course. (e.g. Public Sector Economics is not a prerequisite for Tax and Budget Policy. If someone has already taken Public Sector Economics, he/she can also take Tax and Budget Policy. The reverse is also true)

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77439	Lec	012	TuTh	12:30-2	105 GSPP	

198-1 (2) Group Study in Public Policy (DeCal)

Course Facilitator: Andrew Woo

Instructor of Record: Jane Mauldon

Topic: PolitiCAL: Golden State Politics Made Easy

This course analyzes California state and local government, direct democracy, current political issues, and the budgeting process. What does California state government and its institutional relationships look like? What is direct democracy, and its effects on governance? What are the current political, social, and fiscal issues the state faces in the 21st century?

With its 38 million residents, the state of California has been known for its vibrant social and cultural diversity, economic preponderance in its advanced technology and agricultural sectors, and propensity in being a political trailblazer for the rest of the nation. However, California is no longer the undisputed "The Golden State." To many, California suffers from several issues such as increasing political gridlock, widening social disparities, and what some argue is an institution of direct democracy that has undermined effective governance. This course will help students understand (1) the historical and existing institutions of California state government (2) the Progressive Era and the Rise of Direct Democracy (3) the California budgeting process and fiscal reforms (4) contemporary state issues.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77178	Grp	001	Th	5-7	150 GSPP	

198-2 and 198-3 (2) Group Study in Public Policy (DeCal)**Course Facilitator: Shawn Sieu-Nguyen****Instructor of Record: Rucker Johnson****Topic: Successful Argumentation in Student Government**

As one of the only multimillion dollar nonprofit student run organizations, UC Berkeley's student government (ASUC) is at the forefront for initiating projects for change. Environmental sustainability, campaigns against sexual violence, affordable housing, and transparency are among the many topics that the ASUC tackles. How exactly do complex organizations such as Berkeley's ASUC actually run? How does change happen on campus? How does one begin the slating process and run for an elected position? This course will investigate the ASUC's function and efficacy, with students learning how to create and pass bills and how to run a successful campaign to be an elected official in student government.

This course is geared to potential and current public policy minors who want to learn how to be an elected or appointed official for student government. Students who also apply to the ASUC's internship program at asuc.org/intern will have priority for the class and be able to put learned concepts into practice and have access to networking opportunities. Contact the course facilitator, Shawn Sieu at shawnsieu@berkeley.edu for course related questions. This course begins on the 5th week of classes, Sept 23/24.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77181	Grp	002	T	7-9	105 North Gate	
77183	Grp	003	W	6-8	141 McCone	

PP199-1 (1-4) Supervised Independent Study and Research

Course may be repeated for credit. Must be taken on a passed/not passed basis.

Prerequisites: Consent of Instructor. Individual or group study of a selected topic or topics in Public Policy. Please pick up an *Approval Form for Independent Study and/or Restricted Courses* from the main office at 2607 Hearst Avenue or online at

http://gspp.berkeley.edu/courses/docs/2011_ISRCApapprovalForm.pdf. This form must be filled out and submitted to the Departmental Scheduler or the Graduate Assistant at GSPP to obtain a Class Entry Code.

Note!! Enrollment in the following courses is restricted to those students enrolled in the Master's or PhD Public Policy Programs. All other students must obtain instructor approval to enroll in one of these courses. Call the course scheduler at 642-7888 for further information.

210A (4) The Economics of Public Policy Analysis

Steven Raphael

NOTE: Special enrollment instructions to be sent to MPP students prior to registration.

Three hours of lecture and one and one-half hours of discussion per week (choose one of the review sections below.) *Prerequisites: Open only to students in the Goldman School of Public Policy.* Theories of microeconomic behavior of consumers, producers, and bureaucrats are developed and applied to specific policy areas. Ability to analyze the effects of alternative policy actions in terms of 1) the efficiency of resource allocation and 2) equity is stressed. Policy areas are selected to show a broad range of actual applications of theory and a variety of policy strategies.

Choose one of the discussion sections listed below:

Discussion Sections (enroll in one):

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77205	Lec	001	MW	8-10	250 GSPP	
77208	Dis	101	F	8:30-10	105 GSPP	
77211	Dis	102	F	10-11:30	105 GSPP	

240A (4) Decision Analysis, Modeling and Quantitative Methods

Jesse Rothstein

Four hours of lecture and one and one half hours of discussion per week. *Prerequisites: Open only to students in the Goldman School of Public Policy.* An integrated course on the use of quantitative techniques in public policy analysis: computer modeling and simulation, linear programming and optimization, decision theory, and statistical and econometric analysis of policy-relevant data. The student develops a facility in distilling the policy relevance of numbers through an analysis of case studies and statistical data sets.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77226	Lec	001	TTh	10-12	250 GSPP	
77229	Dis	101	F	8:30-10	250 GSPP	
77232	Dis	102	F	10-11:30	250 GSPP	

220 (4) Law and Public Policy**Stephen Rosenbaum, John & Elizabeth Boalt Lecturer**

Four hours of lecture per week. *Prerequisites: Open only to students in the Goldman School of Public Policy.* Focuses on legal aspects of public policy by exposing students to primary legal materials, including court decisions and legislative and administrative regulations.

Skills of interpretation and legal draftsmanship are developed. Relationships among law-making agencies and between law and policy are explored through case-centered studies.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77214	Lec	001	TTH	8-10	250 GSPP	
77217	Dis	101	F	12-1	105 GSPP	
77220	Dis	102	F	1-2	105 GSPP	

260 (4) Public Leadership & Management**Robert Reich**

Four hours of lecture/discussion per week. *Prerequisites: Open only to students in the Graduate School of Public Policy and a select few students at other graduate schools.*

Formerly Public Policy 230B. This course is designed to help students develop their skills for leading and managing groups, government agencies, nonprofit organizations, and public advocacy, with the goal of achieving positive social change. Materials include case studies, analyses, and works from several disciplines. Course is open to first and second year MPP students, but recommended for first year.

Prerequisites: *This course is open mainly to GSPP and joint-degree GSPP students, but a small number of students from other professional schools will be admitted to the extent there's room. If you are from another professional school, please email Rebecca Boles (rboles@berkeley), who will put your name on a waitlist, and get back to you. In the meantime, all interested students should attend the first class.*

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77253	LEC	001	M	12-2	250 GSPP	
77256	SEC	101	W	12-2	355 GSPP	
77259	SEC	102	W	2-4	355 GSPP	
77262	SEC	103	W	10-12	355 GSPP	
77265	SEC	104	T	2-4	355 GSPP	
77268	SEC	105	Th	2-4	105 GSPP	
77271	SEC	106	M	4-6	355 GSPP	
77274	SEC	107	F	2-4	355 GSPP	
77277	SEC	108	T	6-8	355 GSPP	

C221 (3) Climate, Energy and Development

Dan Kammen

Graduate seminar examining the role of energy science, technology, and policy in international development. The course will look at how changes in the theory and practice of energy systems and of international development have co-evolved over the past half-century, and what opportunities exist going forward. A focus will be on rural and decentralized energy use, and the issues of technology, culture, and politics that are raised by both current trajectories, and potential alternative energy choices. We will explore the frequently divergent ideas about energy and development that have emerged from civil society, academia, multinational development agencies, and the private and industrial sector. Also listed as Development Practice C221 and Energy and Resources Group C221.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77223	Lec	001	M	1-4	311 Wellman	

251 (3) Microeconomic Organization and Policy Analysis

Lee Friedman

Two hours of seminar and one hour of conference per week. Prerequisites: This class is open only to graduate students who have completed PP210B or Econ 201A (or equivalent by consent of the instructor). Research seminar to develop public policy analyses based on microeconomic theories of organization, including collective demand mechanisms, behavioral theory of regulatory agencies and bureaucracies, and productivity in the public sector.

Non-GSPP graduate students, please contact professor directly if you are interested in taking class. Consent of Instructor will be required to obtain a Class Entry Code from the Departmental Scheduler.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77244	Sem	001	M	2-4	355 GSPP	

C253-1 (3) International Economic Development Policy

Alain de Janvry

Two hours of lecture per week. Co-Sponsored by the Department of Agricultural and Resource Economics and Public Policy, the course will equip students with the practical skills needed to produce an economic analysis of a policy issue in the developing world, of the quality required by international agencies such as the World Bank. Cross listed with AREC253.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77247	Lec	001	W	10-12	289 CORY	

259 (4) Benefit-Cost Analysis

Dan Acland

Three hours of lecture per week. This course focuses on the application of economic tools to the analysis of a wide range of contemporary policy issues. It is intended to help students become sophisticated consumers of cost-benefit analysis (CBA) and related methods. While applications will be emphasized throughout the course, the underlying theory and analytical techniques will be developed rigorously as well. Areas to be explored will include environmental policy, natural resource management, health care policy, research and development, and health and safety regulation. Practical professional skills will be emphasized as well: these will include visual presentation of data and concepts, writing clear and concise memos, using spreadsheet software to solve problems, and working successfully on teams. Special Note: *This course is open mainly to GSPP and joint-degree GSPP students, but a small number of graduate students from other departments will be admitted to the extent there is room. If you are a non-GSPP graduate student, please contact the instructor during the first week of classes & attend class.*

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77250	Sem	001	TTh	12-2	250 GSPP	

280 (4) Ethics, Policy, and the Power of Ideas

David Kirp

Three hours of seminar per week. This seminar brings together two related frames for policy thinking: the ethics of policy, that is, what does it mean to do the right thing? and the intervention of policy, that is, how do new policy paradigms emerge? *Ethics*: Those who seek to govern well inescapably confront questions of value in their political, professional, and personal choices. The discussion of ethical dilemmas, which will take up the first half of the semester, is designed to provoke analytic reflection on the moral challenges and responsibilities of public policymaking in a democracy. The focus is on the many and often competing obligations, commitments and values that should guide public actors, as well as on the public principles that guide the design of good public policy. *Big Ideas*: Politics and conventional analytics dominate policy in the short run. But over the longer term, conceptualizations as varied as exit/voice/loyalty, satisficing, the tipping point, memes, winner-take-all, strong democracy, broken windows, and the prisoners dilemma profoundly influence the policy conversation.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77283	Sem	001	M	9-12	105 GSPP	

C284 (4) Energy & Society**Dan Kammen**

Three hours of lecture and one hour of discussion per week. Energy sources, uses, and impacts: an introduction to the technology, politics, economics, and environmental effects of energy in contemporary society. Energy and well-being; energy in international perspective, origins, and character of energy crisis. Also listed as Energy and Resources Group C200.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77286	Lec	001	TTh	2-3:30	245 Li Ka Shing	
77289	Dis	101	T	1-2	185 Barrows	
77292	Dis	102	T	1-2	151 Barrows	
77295	Dis	103	T	1-2	109 Morgan	
77298	Dis	104	W	10-11	3 Evans	
77301	Dis	105	W	9-10	151 Barrows	
77304	Dis	106	W	9-10	85 Barrows	
77307	Dis	107	W	9-10	285 Cory	
77310	Dis	108	M	9-10	185 Barrows	

286 (4) US National Security Policy**Michael Nacht**

Intended for: This course is open to both undergraduates and graduates.

An extensive examination of contemporary US national security issues and how policy is developed and implemented. Topics include Russia after the Cold War with emphasis on nuclear and biological weapons; crisis decision-making and the key players in national security policy; the struggle against terrorism, especially since 9/11, with some reference to homeland security; the challenges to US policy in the Middle East after the Arab spring; China as the chief great power rival; and the role of unmanned vehicles, cyber, and special operations as key elements of US policy. Students will write policy memos, participate in crisis simulation exercises, and complete a take-home final examination.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77313	Lec	001	M	2-5	105 GSPP	

288 (4) Risk and Optimization Models for Policy

Michael O'Hare

This course examines mathematical models useful in policy analysis and management through a series of exercises and hands-on experimentation. It assumes knowledge of basic economics and introductory statistics, though if you are technically astute, you can successfully fake or wing the prerequisites. The objectives of the course are that

- (1) its alums use these models in management and policy analysis more than they otherwise would;
- (2) alums be more confident that they can teach themselves how to use new models not covered in the course, and more willing to apply models in professional practice;
- (3) the result of this increased use be better decisions;
- (4) the course itself be fun and challenging.

Tools include:

- Simulation and Monte Carlo methods
- Statistical Decision Theory
- Linear and non-linear programming
- Markov processes
- Queuing models
- Time Series models
- Inferential heuristics and biases

Class meetings are a combination of workshops and discussion, with minimal, brief lecturing. Conversation will be in the mode of "...even better..." and "what if?", and we will be discussing mainly what students have done as exercises and projects. If you don't like to argue, or take it personally, you may not enjoy this course. Similarly, if you are most comfortable being told course content in lecture form, you will not enjoy the approach used here: lectures when they occur will almost always be brief, post-exercise, and grudgingly provided: the readings and textbook are much better media for this function.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77315	Lec	001	TuTh	10-12	105 GSPP	

290-1 (4) Special Topics in Public Policy**Solomon Hsiang****Topic: Spatial Data and Analysis**

The recent explosion of spatially explicit data and analytical tools, such as "Geographic Information Systems" (GIS) and spatial econometrics, have aided researchers and decision-makers faced with a variety of challenges. This course introduces students to spatial data and its analysis, as well as the modeling of spatially dependent social processes and policy problems. Students will be introduced to the types, sources, and display of spatial data. Through hands-on analysis, students will learn to extract quantitative information from spatial data for applied research and public policy. Students will be introduced to spatial statistics, spatially dependent simulation, and spatial optimization. Students will learn to think creatively about spatial problems through examples drawn from economics, politics, epidemiology, criminology, agriculture, social networks, and the environment. The goal of the course is to equip advanced masters students and doctoral students with tools that will help them be effective analysts and communicators of spatial information in their future research or policy-related work. Because hands-on analysis plays a central role in the class, students will benefit from prior experience with basic computer programming -- although prior experience is not required. Prerequisites: introductory statistics or equivalent.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77316	Lec	001	T	2-5	250 GSPP	

PP 290-2 (4) Special Topics in Public Policy**Jesse Rothstein****Topic: The Economics of Education Policy**

This course will cover a number of current and recent education policy debates that are importantly informed by economic models and econometric tools. Readings will include a mixture of academic studies and policy discussions. Topics to be covered will include labor market returns to education; segregation/desegregation and achievement gaps; school choice; school resource policies; accountability; teacher quality; and higher education admissions and financial aid. PP290 students should have grades of B+ or better in PP210 and PP240 (or the equivalent).

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77319	Lec	2	Tu	2-5	105 GSPP	

PP 290-3 (4) Special Topics in Public Policy

Michael O'Hare

Topic: Making It Happen

Alumni of professional programs (this course is targeted especially at MDP, Goldman School, ERG, and ESPM graduate students) will almost certainly face two important challenges as their careers in government and NGOs progress. The first is getting the preferred policies and programs—what they have identified with the analytic tools typical of these programs—to actually happen on the ground; the second is getting the right kind of work done when they are managing subordinates, even in a policy shop where the work itself is analysis. These challenges demand competent management, leadership, and implementation, and those are the skills this course builds.

Management is creating value through the actions of others. Even when clients are ten deep in the corridor, the welfare director should probably not spend three days a week interview-ing clients or writing checks. If the manager knows what she wants, and can impose sufficient punishment and give nice enough rewards, it's simple: just give orders. But incentives are always limited; if the team doesn't have the right tools, training, or materials, or if the manager is depending on the knowledge and experience of the workforce to know what she can have (and should want), or if she wants to increase team competence for tomorrow's challenges, things get a lot more interesting. In this course we will review the basic tools in the manager's kit, usually in the context of case examples:

Accounting systems and financial management

Human resources practices: hiring, firing, pay, and performance review

Organizational design

- Information management and technology
- Production and operations management
- Quality assurance
- Procurement
- Leadership and team capacity

The underlying methodology is to practice managerial decisionmaking in a reflective and collaborative context. At the end of the course students will have accumulated something a lot like real experience, and some key questions and principles on which to draw when faced with the new implementation challenges their careers present, including improving policy and program analysis to generate more implementable of policies.

A typical unit comprises some didactic reading, a case for discussion to study in advance, individual and study group preparation for in-class discussion, and a plenary meeting with occasional small-group breakouts whose agenda is usually, "what can the manager in this case do now? Which approach is best, and why?" Some units will be hands-on exercises or field trips.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77321	Lec	3	W	2-5	105 GSPP	

290-4 (3) Special Topics in Public Policy**Visiting Professor Robert M. Stern****Topic: The International Economy: Concepts and Policy Issues**

Purpose: Broad overview of international economics and the international economy.

Prerequisite: Previous or concurrent coursework in economics at the introductory level, or beyond.

Topics to be Covered Include: Institutions of the International Economy; Comparative Advantage and the Gains from Trade; Modern Theories and Additional Effects of Trade; Tariffs; Non-Tariff Barriers; Reasons for Protection; U.S. Trade Policies and Institutions; World Trade Arrangements and the WTO; Preferential Trading Arrangements and the NAFTA; International Business; Outsourcing and Offshoring; International Migration of Labor; Environment, Labor Standards, and Trade; International Policies for Economic Development, Trade, Aid, and Financial; The Balance of Trade and Other Measures of International Transactions; Exchange Rates; Pegging the Exchange Rate; International Macroeconomics; The Eurozone Sovereign Debt Crisis; The Global Financial Crisis.

Intended for: Undergraduate students and graduate students in the Goldman School of Public Policy and graduate students in other UC programs. Prerequisite: Previous or concurrent coursework in economics at the introductory level, or beyond.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77322	Lec	04	TTh	4-5:30	355 GSPP	

290-5 (3) Special Topics in Public Policy**Timothy M. Dayonot****Topic: Negotiations**

Three hours of lecture per week. The objective of this course is to improve negotiation skills and to increase the ability to resolve conflicts in a multitude of situations, including public policy disputes. Topics will include: distributive and integrative bargaining; preparation strategies; defense to ploys; power and perceptions; team and multi-party negotiations; political, legislative and regulatory negotiations; emotions and gender, email negotiations, handling difficult negotiators, impact of personality traits and public policy mediation. Simulated negotiation exercises and role-plays will be used extensively.

Course examines current problems and issues in the field of public policy. As topics vary from year to year, course may be repeated for credit.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77325	Lec	005	M	6-9	250 GSPP	

290-6 (3) Special Topics in Public Policy

Brent Copen

Topic: Financial Management of NonProfit Organizations

In order to be an effective leader in the nonprofit field, one must be able to analyze and act upon financial information as part of an overall approach to strategic decision making. This course will focus on the financial management issues faced by board members and by senior and executive managers in nonprofit organizations. Students will learn the tools and techniques for effective financial management, including pricing, program analyses, budgeting and overall business model sustainability. The course will address current regulations and issues that impact nonprofit financial management. The use and development of internal and external financial reports will be studied with an emphasis on using financial information in decision-making. Tools and techniques of financial statement analysis, interpretation and presentation will be discussed and practiced. The course is designed to develop the core financial management skills needed by board members and senior managers in large and small organizations. These include the practice of critical and analytical thinking, the ability to synthesize and plan, the knowledge of how to evaluate and respond quickly, and the skills to communicate effectively. We will address the real challenges, opportunities, and problems of financial management in nonprofit organizations.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77328	Lec	06	T	5-7	250 GSPP	

PP 290-7 (1) Special Topics in Public Policy

Brent Copen

Topic: Financial Modeling for NonProfit Organizations

Financial modeling is a process by which organizations test key revenue, expense and programmatic assumptions and examine the likely outcomes of a projected course of action. Financial modeling offers nonprofit leaders a way of clarifying the financial implications of various options and facilitates critical, intentional and informed decision making.

This course is a "hands-on" training that will equip students with the skills to build Excel-based financial models. Real-world case studies will be used to train students in the highly-iterative process of financial model development. Students will learn how to identify key variables, articulate underlying assumptions, construct staffing models, develop and analyze multi-case scenarios, and identify key questions critical to organizational decision making. Special attention will be given to presenting a financial model--using clarifying graphs and dashboards—in order to support strategic discussions among organizational leaders. A computer with Microsoft Excel will be required for this course.

NOTE: This class will meet for the first time on September 16th and will meet only 3 times after (September 23rd and 30th and October 7th).

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77330	Lec	7	T	7-10	250 GSPP	

290-8 (3) Special Topics in Public Policy

Solomon Hsiang

Topic: Foundations of Sustainable Development

Sustainable development is an objective of many social policies, however the idea is both complex and controversial. This course examines the theoretical definitions of this idea as well as the efforts to operationalize and evaluate it in modern society. This interdisciplinary course begins with an introduction to economic and social development in various historical contexts and then proceeds to examine when and where development might be viewed as "sustainable." Materials covered may include theories of development, theories of sustainability, historical evidence of unsustainable development, mass conservation and laws of thermodynamics, monetary value in general economic equilibrium, externalities and commons problems, renewable and non-renewable resources, models of overlapping generations, inter-temporal and cross-sectional welfare analysis, the role of trade in sustainability, lifecycle analysis and green accounting. Students will be exposed to modern issues surrounding water, climate, ecosystems, and mineral resources; as well as specific issues associated with agricultural and health technologies, education, innovation, population growth and urbanization. Throughout the course, unsolved intellectual and policy challenges are emphasized. **Prerequisites: PP210A & PP210B or equivalent.**

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77436	Lec	008	Tu	9-12	355 GSPP	

PP 290-9 (3) Special Topics in Public Policy

Jennifer Granholm

Topic: Creating Jobs through Better Government Policies for Innovation and Education

This seminar will be project-based. It is designed to help to launch The American Jobs Project at UC Berkeley, and will focus upon developing clean energy job creation strategies in 10 states that are critical to shaping policy and politics for the 2016 elections. The American Jobs Project (AJP) will focus on a bottom-up strategy of stoking jobs policy in the states, designing the road-map for each state to create innovative energy job clusters in the advanced energy and manufacturing job sectors, based on state-specific research and customized innovative policy recommendations. The class will coincide with the rollout of EPA rules regarding CO2 emissions, wherein states must formulate state-specific plans for cutting carbon pollution. The final state-based reports will be delivered to candidates and office-holders of both political parties in each of the states.

The seminar will enlist as guest presenters experts in clean energy sectors, regulatory reforms and economic development.

The Project is a partnership between the Berkeley Energy and Climate Initiative (BECI), the Center for Innovation Technology Research in the Interest of Society (CITRIS), and the schools of Law, Engineering and Public Policy, among others. Graduate students in disciplines such as Business, Public Policy, Engineering, Planning and Law with a passion for clean energy are encouraged to apply. Enrollment will be capped at 20, and students wishing to be selected for participation must write at least one paragraph about their interest or expertise in the subject matter of the Project, and if they have ties/special interest in Florida, Ohio, Iowa, Colorado, Georgia, Michigan, Missouri, Pennsylvania, North Carolina, Virginia or New Hampshire.. Those expressions of interest should be sent to granholm@berkeley.edu by June 1, 2014.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77330	Lec	9	M	6:15-8:55	105 GSPP	

290-10 (3) Special Topics in Public Policy**Larry Rosenthal****Topic: Cities and Their Citizens**

This seminar applies policy thinking to the metropolitan political economy, emphasizing the practical demands of urban problem-solving. We will confront the ways in which "localism" complicates traditional policy analysis and our conceptions of equity & the public interest. The metro policy sphere will be covered from as many viewpoints as we can muster, including: voters & citizens; youth, families and the elderly; homeowners and renters; local workers and commuters; developers, environmentalists and community groups; public, nonprofit and private managers; power-regimes and the disenfranchised; neighborhood organizations; & newcomers and long-term incumbents. Once we cover some structural features of urban economics and politics, our case-based subject matter will include topics like schools, segregation & gentrification, civic engagement, neighborhood identity & preservation, housing affordability, homelessness, sprawl & suburbanization, disaster preparation, fiscal distress & recovery, among others. The course presupposes a working knowledge of microeconomics and standard social science approaches.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77334	Lec	010	W	4-7	355 GSPP	

290-11 (3) Special Topics in Public Policy**Saru Jayaraman****Topic: The Fight for Food Justice: Mass Movement or Consumer Culture?**

This course will discuss a wide range of current social justice campaigns and policy debates relating to the food system, including: corporate consolidation of farmland and meat, poultry, and dairy processing; labor conditions in the food system; food insecurity and access to healthy food in low-income communities; and transparency with regard to food labeling. The course will in particular examine: corporate consolidation throughout the food system has impacted each of these issues and many more; activists' varied responses to these trends; and how policy instruments and regulatory levers can be used to change the way the U.S. food system operates. Students will be exposed to current local, state, and federal policy campaigns and to real-world activists, organizers, and policy experts engaged in these campaigns. In every class, we will examine not only the issues involved but current efforts to address the issues.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77337	Lec	011	W	2-5	155 Kroeber	

290-12 (3) Special Topics in Public Policy

Roy Ulrich

Topic: Tax and Budget Policy

This course analyzes the main features of our tax system. What is meant by fairness, efficiency, and simplicity in taxation and how do we choose among these different goals? How do special interests affect tax policy outcomes? How does the tax law treat the wealthy, the middle class, and the poor? Is major tax reform possible and, if so, what direction should reform take? The main objective will be for students to gain a deeper understanding of some of the major tax and budget policy issues and choices facing policy makers and the country today.

Note: There are no prerequisites for this course. (e.g. Public Sector Economics is not a prerequisite for Tax and Budget Policy. If someone has already taken Public Sector Economics, he/she can also take Tax and Budget Policy. The reverse is also true)

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77340	Lec	012	TuTh	12:30-2	105 GSPP	

290-13 (3) Special Topics in Public Policy

Steve Maurer

Topic: WMD Terrorism

The idea that terrorists could acquire and use weapons of mass destruction (WMD) acquired new urgency after September 11. Yet public discussions still rely on Hollywood clichés at least as much as science. This course will present what is known about the WMD terrorism threat and how the US can respond. Topics will include terrorist incentives for acquiring WMD; the technology behind nuclear, radiological, biological, and chemical weapons; methods for allocating scarce defense resources and promoting the development of new technologies; and international initiatives designed to limit WMD proliferation and fight terrorism. Course requirements will include a mid-term, term paper, final exam, and individual class participation. Course examines current problems and issues in the field of public policy. As topics vary from year to year, course may be repeated for credit.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77343	Lec	013	TTH	5-6:30	105 GSPP	

290-14 (4) Special Topics in Public Policy

Dan Lindheim

Topic: Implementation: The Inside Scoop on Running a Major California City

The course will provide students an in-depth understanding of the key issues and constraints facing top city administrators and political officials in running a city: inadequate budgets, serious crime, unmet labor demands, under-funded pensions, planning and development constraints, departing sports franchises, and disfunctional politics, political institutions, and press . Stated differently, the course will examine the extent to which cities are viable: can they provide the services that residents demand and deserve; can they provide for public safety, jobs, housing, schools, basic services, and fill potholes? And there is the public interest question: viable for whom and who benefits? Using Oakland as a case study, the course will integrate direct front-line experience with broader conceptual analyses of key issues. Students will work on projects of current importance and gain a detailed familiarity with a wide-range of city policies, programs, and documents. The course is taught by a former Oakland city manager and will include presentations by senior local officials.

Key management and conceptual issues to be addressed include: (i) finance and budget (why are cities so financially challenged, what can be done, can city revenues and expenditures be changed); (ii) public safety (can cities be made safe, can it be done constitutionally, what are appropriate roles for police and non-police interventions); (iii) labor negotiations (how to meet wage and benefit expectations given financial and political reality); (iv) economic development (can cities provide or attract good jobs, what is the appropriate role of city regulation and demands on businesses or developers); (v) sports franchises (can the A's, Warriors, Raiders be saved; are professional sports teams worth pursuing, retaining?); (vi) politics and political institutions (does organization matter, how different is "strong mayor" or Council/Manager forms of government, should Council elections be by district or at-large, should city attorneys, auditors be elected and what is appropriate role); (vi) who benefits (who does city government serve, who benefits from city actions, how to effectively involve the large number of disparate publics; (vii) evaluation (how does the public or government know whether policies and implementation have been good, bad, effective, etc; what is the accuracy and impact of the press; are elections good measures of program success or failure?

Note: This class will meet in GSPP 105 on Wednesdays and GSPP 355 on Fridays

<i>CCN</i>	<i>Class Type</i>	<i>Section #</i>	<i>Day</i>	<i>Time</i>	<i>Location</i>	<i>Exam Group/GSI</i>
77346	Lec	014	W	10:30-12	105 GSPP	
			F	10:30-12	355 GSPP	

290-15 (3) Special Topics in Public Policy**Larry Magid****Topic: The Politics of Public Policy**

Getting the policy right is important, but it's not enough. To transform a policy recommendation into reality a policy professional must secure support from political decision makers and often the public as well. This course offers students a practicum in political analysis, strategy and communication. Through hands-on in-class and take-home exercises students will analyze political environments, develop strategies to generate public support, build coalitions, and effectively advocate and negotiate for public policy proposals. Topics we will examine include: Political strategy, framing issues, effective communication, leadership, advocacy; building coalitions, and empowering and motivating individual and group action. We will examine various forums in which politics is practiced, as well as the many players practicing politics in these forums. The course will involve interaction with elected officials, political candidates, community organizers, campaign and communications professionals, lobbyists, and political strategists.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77349	Lec	015	Th	1-4	355 GSPP	

290-16 (2) Special Topics in Public Policy**Henry Brady and Jack Glaser****Topic: Research Design for Public Policy**

Public policy analysis requires a sophisticated understanding of a variety of types of data. Empirical arguments and counterarguments play a central role in policy debates. Quantitative analysis courses teach you how to analyze data; this course will introduce you to strategies of study design, data collection, and principles for critically evaluating research presented by others. Topics include measurement reliability and validity, questionnaire design, sampling, experimental and quasi-experimental program evaluation designs, qualitative research methods, and the politics of data in public policy.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77351	Lec	016	M	4-6	250 GSPP	

292-1 (1-12) Directed Advanced Study. (letter grade basis only)

Course may be repeated for credit. Open to qualified graduate students wishing to pursue special study and research under the direction of a member of the faculty.

Prerequisite: Consent of Instructor. Please pick up an *Approval Form for Independent Study and/or Restricted Courses* from the main office at 2607 Hearst Avenue or online at http://gspp.berkeley.edu/courses/docs/2011_ISRCApapprovalForm.pdf. This form must be filled out and submitted to the Departmental to obtain a Class Entry Code.

295-1 (1-9) Supervised Research Colloquium

Open to qualified graduate students wishing to pursue special research under direction of a member of the staff. Discussion and analysis of dissertation research projects, including conceptual and methodological problems of designing and conducting policy research.

Prerequisite: Consent of Instructor. Please pick up an *Approval Form for Independent Study and/or Restricted Courses* from the main office at 2607 Hearst Avenue or online at http://gspp.berkeley.edu/courses/docs/2011_ISRCApapprovalForm.pdf. This form must be filled out and submitted to the Departmental to obtain a Class Entry Code.

Must be taken on a satisfactory/unsatisfactory basis.

296 (3) Ph.D. Seminar

Eugene Smolensky

Two hours of seminar and one hour of consultation per week. Prerequisites: Must be a Ph.D. student in public policy in third year or beyond. Course may be repeated for credit.

Discussion and analysis of dissertation research projects, including conceptual and methodological problems of designing and conducting public policy research.

CCN	Class Type	Section #	Day	Time	Location
77394	Sem	001	T	12-1:30	355 GSPP

297.1 (2) Graduate Student Led Course

Power, Privilege and Inclusive Policy Making

Course Facilitators: Hanna Flores, Brittaney Carter, Lindsay Cattell, Allison Domicone, Miranda Everitty and Anna Maier

Instructor of Record: Larry Rosenthal

As future policy analysts, we aspire to provide "objective" or "dispassionate" assessments of problems and potential solutions. But what do we miss -- and who do we exclude -- when we rely solely on spreadsheets and databases? This year-long course (participation in the second semester is optional) will examine power, privilege and inclusion in public policy with case studies, discussion, and practical applications within and outside the GSPP community. After the first month, we'll break into three student-led teams, who will meet when and where they choose. Teams will: 1) Produce a white paper on how to integrate participatory policy making concepts into the GSPP community and curriculum; 2) Engage in a real-world policy application with juvenile justice-involved youth in Stockton; and 3) Construct a participatory policymaking toolkit for practitioners.

Note: In order to receive the 2nd unit for this course you will need to register for PP 298.3 (CCN:77409) as well.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77396	Sem	002	Th	4-6	250	

297.3 (1) Graduate Student Led Course

Writing and Publishing in Public Policy

Course Facilitators: Suzanne Merkelson

Instructor of Record: Larry Rosenthal

The course objective is to learn about different styles of writing and publishing on policy issues and implement the skills in the context of publishing Policy Matters Journal and the PMJ Blog. The emphasis is on immediate application of topics discussed and student skill development. Students will have a unique opportunity to utilize writing, editing, communication, and design skills by generating blog entries, individual opinion pieces, and contributing to the various stages of the PMJ publishing process--article selection, editing, layout, distribution, blogging, and website development.

This graduate student led course is a weekly meeting consisting primarily of hands-on workshops, with some guest speakers throughout the semester to discuss particular facets of public policy writing and publishing. Speaker topics will include opinion writing, blogging, and the publishing process for academic writing.

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77400	Sem	003	W	6-8	105	

298-1 (1-12) Directed Advanced Study (S/U basis only)

Course may be repeated for credit. Open to qualified graduate students wishing to pursue special study and research under the direction of a member of the faculty.

Prerequisite: Consent of Instructor. Please pick up an *Approval Form for Independent Study and/or Restricted Courses* from the main office at 2607 Hearst Avenue or online at <http://gspp.berkeley.edu/courses/index.html>. This form must be filled out, signed by the instructor and submitted to the Departmental Scheduler, Isaac Castro at GSPP to obtain a Class Entry Code.

375 (2) GSI Practicum

Henry Brady and Alex Gelber

Two hours of lecture per week. This course is directed at Graduate Student Instructors for undergraduate and graduate courses, and reviews the most important elements of effective teaching, especially teaching graduate students in professional programs like the Master of Public Policy. It satisfies the graduate division requirement for a 300 course for GSI's and open to non-GSPP students. *This course was formerly PP 300.*

CCN	Class Type	Section #	Day	Time	Location	Exam Group/GSI
77430	Lec	001	M	6-9	355 GSPP	

❗Questions? Questions? Questions? Questions? Questions? Questions?❗

- **Contact Isaac Castro at icastro@berkeley.edu or 510-643-6961**
- **Stop by 2607 Hearst Avenue (North Side of Campus)**
- **Visit GSPP's web site: gspp.berkeley.edu**
- **Visit UC's online Schedule of Classes: schedule.berkeley.edu**