

Public Policy Concentration
ADVANCED METHODS OF POLICY ANALYSIS
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The concentration in Advanced Methods enables students to develop their research skills in policy analysis. It focuses primarily, although not exclusively, on the application of quantitative techniques to policy issues that arise in various subject matter areas. Because policy analysis interacts with the technical elements of particular disciplines, all schools and many departments in the University offer courses that meet these requirements. For the most part, the common denominator is the extensive use of tabular analysis, decision theory, statistics, simulation and optimization as research tools. Such courses differ from theoretical quantitative methods courses taught in the Statistics or Operations Research Departments by their strong commitment to application. Concentrators choosing such courses, therefore, need to consider their interest in the field in which the course is being given in addition to the methodology being presented. It is also advisable in the majority of the recommended courses that concentrators have an above average background in mathematics, statistics and computation.

Economics

ECON 101 Economic Policy Analysis
ECON 102C Advanced Topics in Econometric
ECON 103 Applied Econometrics
ECON 138 Risk and Insurance
ECON 140 Introduction to Financial Economics
ECON 141 Public Finance and Fiscal Policy
ECON 142 The Political Economy of the Federal Budget
ECON 143 Ethics in Economics Policy
ECON 160 Game Theory and Economic Applications
ECON 162 Monetary Economics
ECON 179 Experimental Economics
ECON 181 Optimization and Economic Analysis
ECON 202 Core Economics: Modules 1 and 2

Education

EDUC 151 Introduction to Qualitative Research Methods
(formerly EDUC 151X)
EDUC 221A Policy Analysis in Education
EDUC 221B Micro and Macro Issues in Policy Analysis
EDUC 252 Introduction to Test Theory
EDUC 316 Network Analysis of Formal and Informal
Organizations (formerly EDUC 316X)
EDUC 324 Business Opportunities in Education (formerly
EDUC 324X)
EDUC 377 Comparing Institutional Forms (formerly EDUC
377X)

Management Science and Engineering

MS&E 107 Interactive Management Science

MS&E 120 Probabilistic Analysis
MS&E 152 Introduction to Decision Analysis
MS&E 250A Engineering Risk Analysis
MS&E 250B Project Course in Engineering Risk Analysis
MS&E 254 The Ethical Analyst
MS&E 290 Public Policy Analysis
MS&E 299 Voluntary Social Systems

Political Science

POLISCI 151A Doing Political Science
POLISCI 152 Introduction to Game Theoretic Methods in
Political Science
POLISCI 351A Foundations of Political Economy
POLISCI 351B Economic Analysis of Political Institutions
POLISCI 351C Applied Formal Models: Governmental
Decision Making
POLISCI 362 New Economics of Organization
POLISCI 364 Politics and Organization
POLISCI 365 Organizational Decision Making

Public Policy

PUBLPOL 185 Managing Public Policy
PUBLPOL 195 Business and Public Policy
PUBLPOL 196 The Political Economy of the Federal Budget

Urban Studies

URBANST 132 Concepts and Analytic Skills for the Social
Sector (formerly URBANST 163B)

The following courses are currently offered for satisfactory/credit grade only or have recently been inactivated. If you completed these courses with a letter grade, then these course(s) may be applied towards this concentration

EDUC 155 Development of Measuring Instruments
EDUC 257A Statistical Methods for Behavioral and Social
Sciences
EDUC 257B Statistical Methods for Behavioral and Social
Sciences
EDUC 260X Popular Advanced Statistical Methods
EDUC 351A Design and Analysis of Longitudinal Research
EDUC 374A Research Workshop: Knowledge Networks
EDUC 375A Organizational Theory

EDUC 375B Organizational Theory and Applications
POLISCI 138S Ethics in Government
PUBLPOL 182A Policy Making and Problem Solving at Local
and Regional Level: Contested Issues in Silicon Valley
PUBLPOL 182B Policy Making and Problem Solving at Local
and Regional Level: Community and Economic Development
URBANST 131 Social Innovation and the Social Entrepreneur
(formerly URBANST 163A)