

Certificate in Demography

I. Introduction and Rationale

The Office of Population Research (OPR), founded in 1936, is the demographic research and graduate training center at Princeton University. Housed in Wallace Hall, a facility dedicated to the social sciences, OPR brings together faculty and students with broad interests in population. The field of demography encompasses a wide range of specializations that span substantive and methodological subjects in the social, mathematical, and biological sciences. Building on its historical strengths in signature fields such as demographic methods, fertility, health and mortality, OPR researchers embrace fields that are currently prominent in population studies, such as: international migration and development; children, youth and families; biosocial interactions; health and wellbeing; and various aspects of social and economic inequality. In addition, OPR researchers are involved in new fields of inquiry such as epigenetics, biodemography, social epidemiology, and web-based experimentation.

Graduate training at OPR includes several pathways to demography certification within a Ph.D. program. First, the Ph. D. at the Program in Population Studies (PIPS) is designed for students who wish to specialize in the core substantive topics and technical methods of demography. Some PIPS students apply to obtain a joint degree in Demography and Social Policy (PIPS/JDP) via a collaborative training program through the Woodrow Wilson School of Public and International Affairs. The Joint Degree Program (JDP) in Social Policy includes the Departments of Politics, Psychology, Sociology, and Population Studies.

Second, the Program in Population Studies offers a general examination in demography that is accepted by the Department of Sociology as partial fulfillment of their general exam degree requirements. Ph.D. students in Sociology who elect to specialize in population write their dissertation on a demographic subject under the supervision of a core faculty member in the Program in Population Studies.

Finally, the program offers a non-degree Certificate in Demography that does not lead to an advanced degree at Princeton University on its own. OPR has awarded the Certificate in Demography to almost 70 students. In the past, applicants were usually enrolled MPA students from the Woodrow Wilson School of Public and International Affairs and a handful of researchers outside campus (i.e. United Nations, Population Council).

Given the new opportunity provided by the Graduate School, we are now requesting that the Certificate in Demography appear on Princeton University graduate students' transcripts. Only

graduate students pursuing a regular program of studies at Princeton will be eligible to receive the Certificate.

II. Administrative Home

The Office of Population Research administers the Certificate in Demography. The certificate program will be directed by the OPR Director of Graduate Studies in collaboration with the OPR Executive Committee <https://opr.princeton.edu/admin/>. The full-time Graduate Program Administrator at OPR will provide administrative support.

The Executive Committee in the Office of Population Research and its faculty affiliates support this proposal to officially recognize and include the Certificate of Demography on graduate students' official transcripts. The OPR has awarded Certificates of Demography since the early 1990s.

III. Requirements

Program Description:

The Office of Population Research, in connection with the Program in Population Studies, offers a non-degree Certificate in Demography. The Certificate Program is intended for training scholars from other disciplines and does not lead to an advanced degree at Princeton on its own. Students cannot be admitted to Princeton University through the Certificate of Demography Program as it is not a degree program.

Eligibility:

The Certificate in Demography program is open to Princeton University graduate students from any department except the Program in Population Studies, as those students earn a Ph.D. in demography. Students must be currently enrolled to be eligible. Students who are interested in pursuing the Certificate in Demography are encouraged to meet with the OPR Director of Graduate Studies to discuss their interest and the classes they are planning to take to fulfill the Certificate requirements. Students register by submitting a form to the OPR Graduate Program Administrator. Students must register for the Certificate program in time to complete course requirements while they are still in an enrolled status that allows them to complete courses. Ph.D. students who have entered Dissertation Completion Enrollment (DCE) status are not

eligible to complete courses at the University. Therefore, Ph.D. students interested in the Certificate should register while still in their regular program length.

Course Requirements:

To obtain the Certificate students need to complete four graduate courses in population studies POP 501/SOC 531/; POP 502/ SOC 532; and two elective courses pertaining to some aspect of demography and approved by the OPR Director of Graduate Studies. The Certificate is recorded on the transcript at the time of graduation.

The first two courses are the core graduate courses in demography: POP 501 is offered in the fall semester and is a prerequisite for POP 502, which is offered in the spring semester.

POP 501/SOC 531 Survey of Population Problems:

This course provides a broad overview of the field of population studies. Topics covered include: a survey of past and current trends in the growth of the population, analysis of the components of population change (fertility, mortality, migration) and their determinants, the social and economic consequences of population change (environmental, ageing and the welfare state), racial/ethnic and spatial inequality and population policy. The readings cover issues in industrialized as well as low-income countries, with a focus on the U.S. for several topics.

POP 502/SOC 532 Research Methods in Demography:

This class covers formal and mathematical demographic methods. It focuses among other things on source materials used in the study of population; standard procedures for the measurement of fertility, mortality, natural increase, migration, and nuptiality; and uses of model life tables and stable population analysis and other techniques of estimation when faced with inaccurate or incomplete data are studied. Some topics include 1) how populations change as a function of the interaction of multiple demographic processes, (2) how aggregate population change and individual life-course experiences are connected, and (3) how demographic phenomena can be modeled in the absence of perfect information.

Below we provide a list of population-based courses that have been approved in past years that students can take to fulfill the two elective courses requirement.

Guiding Principles for course selection:

1. If a department requires degree students to take a certain number of core courses, none of those taken to meet this requirement can count towards the Certificate in Demography.
2. If a department requires students to select a given number of courses as core courses that indicate preparation for research, none of these courses can count towards the Certificate in Demography.
3. Beyond “core courses”: if a department requires a designated number of electives, students can use these electives to meet the course requirement for the Certificate in Demography.

IV. Participating Faculty

A few OPR faculty members are regularly involved in teaching the two core classes POP 501 and POP 502. All OPR faculty participate in advising students, and in teaching the population-based classes that students choose as electives.

In addition, other faculty at Princeton, mainly in Sociology and the Woodrow Wilson School, offer classes in population related topics that our students can take for their Certificate requirements if approved by the OPR DGS.

List of OPR faculty:

Alicia Adserà, Senior Research Scholar, Woodrow Wilson School; Lecturer in International Affairs, Woodrow Wilson School; Director of Graduate Studies, The Office of Population Research

Elizabeth Mitchell Armstrong, Associate Professor of Sociology and Public Affairs, Woodrow Wilson School

Leah P. Boustan, Professor of Economics

Dalton Conley, Henry Putnam University Professor in Sociology

Rafaela M. Dancygier, Associate Professor, Department of Politics and Woodrow Wilson School

Kathryn Edin, Professor of Sociology and Public Affairs, Woodrow Wilson School; Co-director of the Bendheim-Thoman Center for Research on Child Wellbeing (CRCW)

Patricia Fernandez Kelly, Professor of Sociology; Director of the Center for Migration and Development

Noreen Goldman, Hughes-Rogers Professor of Demography and Public Affairs, Woodrow Wilson School

Bryan Grenfell, Professor of Ecology and Evolutionary Biology and Public Affairs; Director of the Health Grand Challenge Initiative

Jean Grossman, Lecturer in Economics and Public Affairs

Tod Hamilton, Associate Professor of Sociology; Charles G. Osgood University Preceptor

Arun S. Hendi, Assistant Professor of Sociology and Public Affairs

Jennifer L. Jennings, Professor of Sociology and Public Affairs, Woodrow Wilson School

Sara F. McLanahan, William S. Tod Professor of Sociology and Public Affairs; Director, Bendheim-Thoman Center for Research on Child Wellbeing

Douglas Massey, Henry G. Bryant Professor of Sociology and Public Affairs, Woodrow Wilson School; Director, Office of Population Research

C. Jessica E. Metcalf, Assistant Professor of Ecology and Evolutionary Biology and Public Affairs

Sanyu A. Mojola, Professor of Sociology and Public Affairs; Woodrow Wilson School; Director Designate, Office of Population Research

Timothy J. Nelson, Lecturer of Public Affairs

Daniel Notterman, Senior Research Scholar, Molecular Biology. Chair of the Institutional Review Board for Human Subjects. Lecturer with the rank of Professor in Molecular Biology

James Raymo, Professor of Sociology, Henry Wendt III Professor of East Asian Studies

Matthew J. Salganik, Professor of Sociology

Patrick T. Sharkey, Professor of Sociology and Public Affairs

Brandon Stewart, Assistant Professor, Department of Sociology; Faculty Affiliate, Department of Politics

Marta Tienda, Maurice P. Durning Professor of Demographic Studies; Professor of Sociology and Public Affairs, Woodrow Wilson School

Yu Xie, Bert G. Kerstetter '66 University Professor of Sociology; Director of the Center on Contemporary China

V. Sample of Approved Courses

The following short list of courses includes a sample of courses taught by OPR, SOC and WWS faculty that students may take to satisfy their two, non-core course requirement. Students have taken many other courses in the past. Many of the class offered at the Woodrow Wilson School change from year to year and the DGS approves new classes as they appear.

SOC 511. Comparative Perspectives on Gender and Development

Patricia Fernández-Kelly

Major works in gender and development. How do masculinity and femininity relate to socio-economic change? How has gender evolved in selected geographical areas, including North America, Asia, Africa, and Latin America? What is the role of the state in defining gender? These are the questions underpinning this course. We investigate the prevalence of gender in various locations and historical periods. Subsequently, we review descriptive data and relevant theories, focusing on the centrality of gender as a vector of stratification. We also examine inequalities between men and women in the domestic and public spheres. Half-term course.

WWS 537 / SOC 537. Social Organization of Cities

Douglas S. Massey

A review of the historical emergence and social evolution of cities and urban life. Course presents current theories regarding the ecological and social structure of urban areas, and how urban social organization affects the behavior and well-being of human beings who live and work in cities.

WWS 564/POP 564 Poverty, Inequality and Health in the World

Anne C. Case

About well-being throughout the world, with focus on income and health. Explores what happened to poverty, inequality, and health, in the US, and internationally. Discusses conceptual foundations of national and global measures of inequality, poverty, and health; construction of measures, and extent to which they can be trusted; relationship between globalization, poverty, and health, historically and currently. Examines links between health and income, why poor people are less healthy and live less long than rich people.

WWS 571B Topics in Development: Gender in the World Economy

Alícia Adserà

This course focuses on the opportunities, constraints and roles of women in an increasingly interdependent economy. Topics include: dynamics & causes of fertility changes & household formation; maternal & infant health; gender & labor market institutions--types of contracts, informality, wage gaps & discrimination; intra-household allocation of resources & differential mortality rates; women's migration--selection & outcomes at destination, family reunification, remittances; differential access to education & health; credit market; the impact of conditional and unconditional Transfers; violence; political & property rights.

WWS 590C / SOC 571. Sociological Studies of Inequality (Half -Term)

Sara F. McLanahan

This segment of the JDP seminar covers theory and research on social stratification, the major subfield in sociology that focuses on inequality. Course begins by reviewing major theories, constructs, measures, and empirical work on inequality. Weeks two through six focus on institutions that are expected to produce (and reproduce) inequalities, including families, neighborhoods, schools, labor markets, and penal policy.

WWS 5930 / POP 5040. Topics in Policy Analysis (Half-Term) - Health and Aging

Noreen J. Goldman

An overview of the epidemiologic transition, reviewing historic and current health patterns, and examines the demographic forces that have led to rapid aging of populations worldwide. After consideration of how researchers measure health status in older populations, the course examines inequalities in health by gender, race and socioeconomic status. The final part of the course considers the potential impact of threats to future improvements in life expectancy and focuses on the social, health and economic consequences of societal aging, primarily in high-income countries.

WWS 594E. Topics in Policy Analysis (Half-Term) - International Migration and Public Policy

Douglas S. Massey

This course examines the theoretical models put forth to account for international migration, reviews the empirical evidence on hypotheses derived from these theories in different world regions, develops a synthetic framework for understanding immigration in the contemporary world, and uses this framework to analyze immigration policies in the United States and other migrant-receiving nations.

WWS 594G. Topics in Policy Analysis (Half-Term) - Sociological Perspectives on Inequality

Sara F. McLanahan

Course covers theory and research on social stratification, the major subfield in sociology that focuses on inequality. We begin by reviewing major theories, constructs, and empirical work on inequality. Weeks 2 -6 focus on institutions that mediate the transmission and reproduction of inequality, including families, schools, neighborhoods, labor markets, and the criminal justice system.

WWS 594N: Topics in Policy Analysis (half-term) --Maternal and child health policy in the United States

Elizabeth M. Armstrong

This course explores contemporary issues in maternal and child health, with attention to both the evidence base for policies as well as the cultural norms and values that make strategies to keep mothers and babies healthy surprisingly controversial at times. The course surveys several key issues in MCH, but does not offer anything like comprehensive coverage of the subject. Although the readings will include global perspectives, the focus will be on the U.S.

WWS 594G Topics in Policy Analysis (Half-Term): Poverty and Social Policy

Kathryn J. Edin

Course covers theory and research on social stratification, the major subfield in sociology that focuses on inequality. We begin by reviewing major theories, constructs, and empirical work on inequality. Weeks 2 -6 focus on institutions that mediate the transmission and reproduction of inequality, including families, schools, neighborhoods, labor markets, and the criminal justice system.

WWS 597 Public Policy Approaches to Health and Health Care

Janet M. Currie

This course explores the professed and unspoken goals nations pursue with their health systems and the alternative economic and administrative structures different nations use to pursue those goals. The emphasis in the course will be on the industrialized world, although

some time can be allocated later in the course to approaches used in the developing countries, if students in the course desire it.

**Certificate in Demography Recipients
(1991 - 2020)**

1991-1992	
Charlotte Ellertson	MPA, Woodrow Wilson School of Public and International Affairs
Leticia Fernandez	MPA, Woodrow Wilson School of Public and International Affairs
Aida Verdugo Lazo	PhD, Sociology and Demography, Universidade Estadual de Campinas
Chantal Worzala	Director of Policy, American Hospital Association Alazro Consulting, LLC, DC Metro Area
1992-1993	
Elizabeth Armstrong	MPA, Woodrow Wilson School of Public and International Affairs
1993-1994	
Marie Reijo	Researcher, Department of Sociology, University of Helsinki, Finland
1994-1995	
Jennifer Kates	MPA, Woodrow Wilson School of Public and International Affairs
Emiko Mikami	United Nations Population Division, NY
Dimiter Philipov	Research Scientist, Institute of Demography, Bulgarian Academy of Sciences
1995-1996	
Debjani Bagchi	MPA, Woodrow Wilson School of Public and International Affairs
Scott Fritzen	MPA, Woodrow Wilson School of Public and International Affairs
Paolo Valente	PhD, Demography, Università degli Studi di Padova
1998-1999	
Joel Rosenquist	MPA, Woodrow Wilson School of Public and International Affairs
1999-2000	
Yetunde Shobo	MPA, Woodrow Wilson School of Public and International Affairs

2000-2001	
Lauren Meserve	MPA, Woodrow Wilson School of Public and International Affairs
Kathryn Bistline	MPA, Woodrow Wilson School of Public and International Affairs
2001-2002	
Kathryn P. Ikard	MPA, Woodrow Wilson School of Public and International Affairs
2002-2003	
Katy R. Backes	MPA, Woodrow Wilson School of Public and International Affairs
Laura Taylor-Kale	MPA, Woodrow Wilson School of Public and International Affairs
2003-2004	
Mary Coulter	MPP, Woodrow Wilson School of Public and International Affairs
Helena Choi	MPA, Woodrow Wilson School of Public and International Affairs
Rachel Tobey	MPA, Woodrow Wilson School of Public and International Affairs
2004-2005	
Priya Joshi	MPA, Woodrow Wilson School of Public and International Affairs
2005-2006	
Lori A. Bishop	MPA, Woodrow Wilson School of Public and International Affairs
Catherine E. Crato	MPA, Woodrow Wilson School of Public and International Affairs
Shoutong (Tom) Zhang	Undergraduate, Economics
2006-2007	
Kelly Cleland	Research Specialist, Office of Population Research, Princeton University
Bi Vuong	MPA, Woodrow Wilson School of Public and International Affairs
Deirdre Bloome	Ph.D., Sociology; transferred to Harvard
2007-2008	
Amelia Brown	MPA, Woodrow Wilson School of Public and International Affairs
2008-2009	

Maya Vaughan-Smith	Researcher, The Population Council, New York
2011-2012	
Audrey Dorelien	PhD, Woodrow Wilson School of Public and International Affairs
Emily A. Marshall	PhD, Sociology Department
Jacob Rugh	MPA, Woodrow Wilson School of Public and International Affairs
2012-2013	
Stacie Carr	Masters of Arts in Public Affairs, Woodrow Wilson School of Public and International Affairs
Daniel J. Schneider	PhD, Sociology Department
Michelle Phelps	PhD, Sociology Department
Wendy Sheldon	PhD, Woodrow Wilson School of Public and International Affairs
LaTonya Trotter	PhD, Sociology Department
2013-2014	
Julia Gelatt	PhD, Sociology Department
Jayanti Owens	PhD, Sociology Department
John Palmer	PhD, Woodrow Wilson School of Public and International Affairs
Erik Vickstrom	PhD, Sociology Department
Naomi Sugie	PhD, Sociology Department
2014-2015	
Edward Berchick	PhD, Sociology Department
Diane Coffey	PhD, Woodrow Wilson School of Public and International Affairs
Lauren Gaydosh	PhD, Sociology Department
Elizabeth Sully	PhD, Sociology Department
2015-2016	
Kerstin Gentsch	PhD, Sociology Department

Joanne W. Golann	PhD, Sociology Department
Aaron J. Gottlieb	PhD, Sociology Department
Patrick Ishizuka	PhD, Sociology Department
Vanessa L. Lehner	MPA, Woodrow Wilson School of Public and International Affairs
Jonathan C. Tannen	PhD, Woodrow Wilson School of Public and International Affairs
Megan Todd	PhD, Woodrow Wilson School of Public and International Affairs
Jessica Yiu	PhD, Sociology Department
2016-2017	
Janeria A. Easley	PhD, Sociology Department
Saul Thorkelson	PhD, Sociology Department
2017-2018	
Cheng Cheng	PhD, Sociology Department
Angela Dixon	PhD, Sociology Department
Angelina Grigoryeva	PhD, Sociology Department
2018-2019	
Leah Gillion	PhD, Sociology Department
Sarah James	PhD, Sociology Department
Joel Mittleman	PhD, Sociology Department
Emilce Santana	PhD, Sociology Department
2019-2020	
Michael Lichanski	MPA, Woodrow Wilson School of Public and International Affairs