

# Demography

The Department of Demography offers an interdisciplinary training program leading to the MA and PhD in Demography. Demography is the systematic study of human populations, a topic central to many pressing policy issues such as the economic development of Third World countries; population aging; the environment; health and mortality; family and household change; immigration; and ethnicity. Demography also has strong intellectual and institutional ties to other fields such as sociology, economics, social history, anthropology, biology, public health, and statistics. The program at UC Berkeley is one of the few in the United States granting graduate degrees in demography, rather than offering demography only as a field of specialization within some other department. This training strategy permits greater concentration and depth in demography, as well as program flexibility and breadth in related subjects. The program stresses both quantitative aspects of demography and demography in the context of social science theory.

The master's degree in demography is designed both as a final degree for those who wish to pursue a professional career at that level of training and as a second degree for students earning a doctorate in demography or a related discipline. The basic coursework for the master's program is required for the doctoral degree as well.

## Admission to the University

### Minimum Requirements for Admission

The following minimum requirements apply to all graduate programs and will be verified by the Graduate Division:

1. A bachelor's degree or recognized equivalent from an accredited institution;
2. A grade point average of B or better (3.0);
3. If the applicant comes from a country or political entity (e.g., Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 90 on the iBT test, 570 on the paper-and-pencil test, or an IELTS Band score of at least 7 on a 9-point scale (note that individual programs may set higher levels for any of these); and
4. Sufficient undergraduate training to do graduate work in the given field.

### Applicants Who Already Hold a Graduate Degree

The Graduate Council views academic degrees not as vocational training certificates, but as evidence of broad training in research methods, independent study, and articulation of learning. Therefore, applicants who already have academic graduate degrees should be able to pursue new subject matter at an advanced level without the need to enroll in a related or similar graduate program.

Programs may consider students for an additional academic master's or professional master's degree only if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master's degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master's degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master's degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a doctoral degree program in music or history; however, a student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.
2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master's degree program if there is no duplication of training involved.

Applicants may apply only to one single degree program or one concurrent degree program per admission cycle.

## Required Documents for Applications

1. **Transcripts:** Applicants may upload *unofficial* transcripts with your application for the departmental initial review. *If the applicant is admitted*, then *official* transcripts of all college-level work will be required. Official transcripts must be in sealed envelopes as issued by the school(s) attended. If you have attended Berkeley, upload your unofficial transcript with your application for the departmental initial review. *If you are admitted*, an official transcript with evidence of degree conferral *will not* be required.
2. **Letters of recommendation:** Applicants may request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, not the Graduate Division.
3. **Evidence of English language proficiency:** All applicants from countries or political entities in which the official language is not English are required to submit official evidence of English language proficiency. This applies to applicants from Bangladesh, Burma, Nepal, India, Pakistan, Latin America, the Middle East, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, most European countries, and Quebec (Canada). However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a US university may submit an official transcript from the US university to fulfill this requirement. The following courses will not fulfill this requirement:
  - courses in English as a Second Language,
  - courses conducted in a language other than English,
  - courses that will be completed after the application is submitted, and
  - courses of a non-academic nature.

If applicants have previously been denied admission to Berkeley on the basis of their English language proficiency, they must submit new test scores that meet the current minimum from one of the standardized tests. Official TOEFL score reports must be sent directly from Educational Test Services (ETS). The institution code for Berkeley is 4833. Official IELTS score reports must be mailed directly to our office from the British Council. TOEFL and IELTS score reports are only valid for two years.

## Where to Apply

Visit the Berkeley Graduate Division application page (<http://grad.berkeley.edu/admissions/apply/>).

## Admission to the Program

The Department of Demography requires all applicants to take the general portion of the Graduate Record Examination. Applicants may apply for the Master's in Demography, PhD in Demography or the PhD in Sociology and Demography.

Graduate Record Examinations (GRE): is required for our Ph.D program. GRE scores are only valid for 5 years. There are no minimum required scores.

## Normative Time Requirements

### Normative Time to Advancement

Normative time to advancement to doctoral candidacy for the Demography PhD is six semesters from the time the student entered the program.

Demography students are to complete all required coursework for the Demography master's degree, whether or not they choose to earn the MA degree. Required courses (i.e., 110, C126 or 200, C175, 210) must be taken on a letter-grade basis. At the end of the first year, all students must pass a comprehensive final examination on demographic methods and substance. MA candidates receive their degree upon successful completion of this examination and all necessary coursework. PhD students advance to the second and third years of study, which consists of additional course work, taking a foreign language exam, writing a dissertation prospectus, taking required CITI training courses and passing the oral qualifying exam.

### Normative Time in Candidacy

Normative time in doctoral candidacy for the Demography PhD degree is four semesters.

### Total Normative Time

Total normative time is ten semesters.

## Time to Advancement

### Curriculum

#### Courses Required

DEMOG 110	Introduction to Population Analysis	3
DEMOG/ECON C175	Economic Demography	4
DEMOG 200 or DEMOG C126	Fundamentals of Population Thought Sex, Death, and Data	4
DEMOG 210	Demographic Methods: Rates and Structures	4
DEMOG 213	Practical Computer Applications for Demographic Analysis	2
DEMOG 296	Advanced Research Techniques	4
Electives		7

## Coursework and Preliminary Examination

During the first year of study students in all demography and sociology degree programs complete the required coursework (24 units) and then take the preliminary examination at the end of the spring semester.

### Additional Course Work

Those working for a doctoral degree are expected to complete course work in a different but related subject (e.g., sociology (<http://sociology.berkeley.edu/>), economics (<http://emlab.berkeley.edu/econ/>),

anthropology (<http://anthropology.berkeley.edu/>), statistics (<http://statistics.berkeley.edu/>), public policy (<http://gspp.berkeley.edu/>), public health (<http://sph.berkeley.edu/>), biostatistics (<http://www.stat.berkeley.edu/biostat/>), regional planning (<http://dcrp.ced.berkeley.edu/>), geography (<http://geography.berkeley.edu/>)). This additional coursework must be completed before the dissertation stage. Each student will consult with the advisor to create a second-year coursework plan that best compliments their academic goals, research and interests and will be determined on an individual basis. PhD students may choose to pursue an ancillary MA degree during this time. Students apply to the ancillary degree department directly.

## Language Examination

Each student is expected to demonstrate reasonable reading competence in at least one other than English language that is relevant to demographic studies. Students must pass a language exam before advancing to doctoral candidacy.

## Dissertation Prospectus

The dissertation prospectus is developed in the context of a research seminar, Demography 295. Doctoral students are expected to enroll in 295 every semester until the prospectus is complete, which should occur within three years after matriculation.

## Oral Qualifying Examination

The oral qualifying examination for admission to doctoral candidacy should be taken during the second or third year (depending on the time needed for the completion of the student's ancillary master's program).

## CITI Human Subjects Training.

Students are required to take CITI Human Subjects training as specified by the Office for the Protection of Human Subjects before advancing to doctoral candidacy. For more information please see the OPHS website (<http://cphs.berkeley.edu/>)

## Time in Candidacy

### Dissertation

Upon successful completion of the foreign language requirement, the oral qualifying exam, and the prospectus, students enter into the final phase of the program, doctoral candidacy. During this period, students are expected to take another research seminar, DEMOG 296, every semester until the completion of the dissertation. The department does not require a formal defense of the completed dissertation.

## Required Professional Development

The department does not formally require professional development but all students are encouraged to attend the weekly Demography Brown Bag Presentation Series. Students are also encouraged to attend and present papers at the annual Population Association of America meeting or other demographic conferences.

## Unit Requirements

Plan II requires at least 24 semester units of upper division and graduate courses, followed by a comprehensive examination. At least 12 units must be in the 200 series demography courses. Courses in the 300 series do not count in the unit requirements. A maximum of 6 units of 298/299 course work can be used toward the degree. The same course work cannot be used toward two different master's degrees unless it is part of an approved concurrent master's program. Two-thirds of all course

work (not only those courses required for the master's program) must be letter-graded and only courses graded C- or better, or Satisfactory may be counted towards degree requirements.

## Curriculum

### Courses Required

DEMOG 110	Introduction to Population Analysis	3
DEMOG/ECON C175	Economic Demography	4
DEMOG 200	Fundamentals of Population Thought or DEMOG C12 Sex, Death, and Data	4
DEMOG 210	Demographic Methods: Rates and Structures	4
DEMOG 213	Practical Computer Applications for Demographic Analysis	2
Electives		7

## Advancement to Candidacy

Students making adequate progress in the MA coursework are advanced to MA candidacy during the second semester.

## Preliminary/Comprehensive Exam

Students take a comprehensive exam at the end of the second semester. No master's thesis is required.

## Demography

Expand all course descriptions [+] Collapse all course descriptions [-]

### DEMOG 5 Fundamentals of Population Science 3 Units

Terms offered: Summer 2019 Second 6 Week Session, Summer 2018 Second 6 Week Session, Fall 2011

This course provides an accessible introduction to the social science of demography. The course is organized around cases in which population issues raise policy or ethical dilemmas (example: China's one child policy). Through these cases, students will learn how demographers use models and data to acquire knowledge about population. Throughout the course, students will also learn to read, interpret, evaluate, and produce tabular and graphical representations of population data.

Fundamentals of Population Science: Read More [\[+\]](#)

#### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

#### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

10 weeks - 4.5-4.5 hours of lecture and 0-1.5 hours of discussion per week

#### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Johnson-Hanks

Fundamentals of Population Science: Read Less [\[-\]](#)

## DEMOG 88 Immigration: What do the data tell us? 2 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

This course will cover the small but important part of the rich history of human migration that deals with the population of the United States--focusing on the 20th and 21st Centuries. We will use the tools of DS8 to answer specific questions that relate to the themes of this course:

- (1) Why do people migrate?
- (2) Is immigration good or bad for receiving (and sending) countries?
- (3) How do immigrants adapt and how do societies change in response?

In addition to scientific questions, this course will also address the demographic and political history of immigration in the US -- an understanding of which is crucial for understanding both the broad contours of US history and the particular situation in which we find ourselves today.

Immigration: What do the data tell us?: Read More [\[+\]](#)

#### Objectives & Outcomes

**Student Learning Outcomes:** This course will enhance the experience of DS8 by challenging students to use the tools of DS8 to address current questions with real data. By accessing and using much larger and messier datasets than are used in the main course, students will gain technical skills as well as confidence in their ability to use data to answer questions.

#### Rules & Requirements

**Prerequisites:** Prerequisites and Restrictions (if any): Corequisite or Prerequisite: Foundations of Data Science (COMPSCI C8 / INFO C8 / STAT C8). This course is a Data Science connector course and is meant to be taken concurrent with or after COMPSCI C8/ INFO C8 / STAT C8. Students may take more than one Data Science connector course if they wish, concurrent with or after having taken the C8 course

#### Hours & Format

**Fall and/or spring:** 15 weeks - 1-2 hours of lecture, 0-1 hours of discussion, and 0-1 hours of laboratory per week

#### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Alternate method of final assessment during regularly scheduled final exam group (e.g., presentation, final project, etc.).

**Instructor:** Carl Mason

Immigration: What do the data tell us?: Read Less [\[-\]](#)

## DEMOG 98 Directed Group Study 1 - 4 Units

Terms offered: Fall 2017, Spring 2017, Fall 2016

Undergraduate research by small groups.

Directed Group Study: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-3 hours of tutorial per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Directed Group Study: Read Less [-]

## DEMOG 110 Introduction to Population Analysis 3 Units

Terms offered: Fall 2021, Fall 2020, Fall 2019

Measures and methods of Demography. Life tables, fertility and nuptiality measures, age pyramids, population projection, measures of fertility control.

Introduction to Population Analysis: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

10 weeks - 4.5-4.5 hours of lecture and 0-1.5 hours of discussion per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Wachter

Introduction to Population Analysis: Read Less [-]

## DEMOG C126 Sex, Death, and Data 4 Units

Terms offered: Fall 2021, Fall 2020, Fall 2019

Introduction to population issues and the field of demography, with emphasis on historical patterns of population growth and change during the industrial era. Topics covered include the demographic transition, resource issues, economic development, the environment, population control, family planning, birth control, family and gender, aging, intergenerational transfers, and international migration.

Sex, Death, and Data: Read More [+]

### Rules & Requirements

**Prerequisites:** 1 or 3 or 3AC or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Also listed as:** SOCIOL C126

Sex, Death, and Data: Read Less [-]

## DEMOG 130 Demography of Deaths, Diseases, and Disasters 4 Units

Terms offered: Not yet offered

Fundamentals of demographic analysis of health and mortality with a special focus on global public health challenges including those induced by climate change. Class will focus on essential concepts from demography and public health, global and historical shifts in mortality and morbidity patterns, and the determinants of health and mortality over the life course, including environmental determinants. Students' will develop their own research project related to health and mortality using real-world demographic data. Students will learn to interpret, construct, and calculate common demographic and public health indicators, and will develop a basic toolkit for analyzing health and mortality data.

Demography of Deaths, Diseases, and Disasters: Read More [+]

### Rules & Requirements

**Prerequisites:** Introductory statistics course and some experience with a programming language (preferably R), or consent of the instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Alternative to final exam.

**Instructor:** Mahmud

Demography of Deaths, Diseases, and Disasters: Read Less [-]

## DEMOG 145AC The American Immigrant Experience 4 Units

Terms offered: Spring 2015, Spring 2014, Spring 2013

The history of the United States is the history of migration. The course covers the evolution of the American population from about 20,000 BC with the goal of understanding the interdependent roles of history and demography. As an American cultures class, special attention is given to the experiences of 18th- and 19th-century African and European immigrants and 20th- and 21st-century Asian and Latin American immigrants. Two substantial laboratory assignments; facility with a spreadsheet program is assumed.

The American Immigrant Experience: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Mason

**Also listed as:** HISTORY C139B

The American Immigrant Experience: Read Less [-]

## DEMOG 160 Special Topics in Demography 3 Units

Terms offered: Spring 2020, Fall 2018, Fall 2017

Special topics in demography. Topics may include the demography of specific world regions, race and ethnicity, population and policy, and population and environment and similar specialized or new topics in the field of demography will be covered.

Special Topics in Demography: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Special Topics in Demography: Read Less [-]

## DEMOG N160 Summer Special Topics in Demography 2 Units

Terms offered: Not yet offered

Special topics in demography. Topics may include any subject in demography and may be specific world regions, race and ethnicity, population and policy, and population and environment and similar specialized or new topics in the field of demography will be covered. Designed primarily to permit instructors to teach a current relevant topic that may be focused and specialized or a topic with broad appeal. Topics change each summer.

Summer Special Topics in Demography: Read More [+]

### Rules & Requirements

**Repeat rules:** Course may be repeated for credit when topic changes.

### Hours & Format

**Summer:** 6 weeks - 4 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

Summer Special Topics in Demography: Read Less [-]

## DEMOG 161 Population Apocalypse in Film and Science 3 Units

Terms offered: Fall 2015, Spring 2015

Despite our astonishing demographic success as a species, humans are haunted by the idea of apocalyptic demise. This course explores scientific and cultural narratives of population catastrophe particularly as presented in film. Noah's flood; nuclear annihilation; overpopulation; and climate change all raise the question: Does human nature carry within it the seeds of our inevitable destruction? In this course, we will grapple with both the science and the art in which this question is embedded.

Population Apocalypse in Film and Science: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructors:** Mason, Goldstein

Population Apocalypse in Film and Science: Read Less [-]



## DEMOG C164 Impact of Government Policies on Poor Children and Families 4 Units

Terms offered: Spring 2007

Examination of the impact of policies of state intervention and public benefit programs on poor children and families. Introduction to child and family policy, and study of specific issue areas, such as income transfer programs, housing, health care, and child abuse.

Impact of Government Policies on Poor Children and Families: Read More [+]

### Rules & Requirements

**Credit Restrictions:** This course may be applied to the Demography major.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Mauldon

**Also listed as:** PUB POL C164

Impact of Government Policies on Poor Children and Families: Read Less [-]

## DEMOG C165 Family and Household in Comparative Perspective 3 Units

Terms offered: Spring 2012, Fall 2008, Spring 2005

How are families and households organized around the world? Which aspects of household and family vary, and which are constant? What are the relationships between household and family on the one hand and the political, economic, or broad social patterns on the other? This course examines all of these questions, taking historical and contemporary examples from Africa, Asia, Europe, and the Americas.

Family and Household in Comparative Perspective: Read More [+]

### Rules & Requirements

**Prerequisites:** Sociology 1, 3, 3AC or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Also listed as:** SOCIOL C184

Family and Household in Comparative Perspective: Read Less [-]

## DEMOG C175 Economic Demography 4 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

A general introduction to economic demography, addressing the following kinds of questions: What are the economic consequences of immigration to the U.S.? Will industrial nations be able to afford the health and pension costs of the aging populations? How has the size of the baby boom affected its economic well being? Why has fertility been high in Third World countries? In industrial countries, why is marriage postponed, divorce high, fertility so low, and extramarital fertility rising? What are the economic and environmental consequences of rapid population growth? Economic Demography: Read More [+]

### Rules & Requirements

**Prerequisites:** Economics 1 or 2

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week  
8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Lee

**Formerly known as:** Demography C175, Economics C175

**Also listed as:** ECON C175

Economic Demography: Read Less [-]

## DEMOG 180 Social Networks 4 Units

Terms offered: Fall 2021, Fall 2020, Summer 2019 Second 6 Week Session

The science of social networks focuses on measuring, modeling, and understanding the different ways that people are connected to one another. We will use a broad toolkit of theories and methods drawn from the social, natural, and mathematical sciences to learn what a social network is, to understand how to work with social network data, and to illustrate some of the ways that social networks can be useful in theory and in practice. We will see that network ideas are powerful enough to be used everywhere from UNAIDS, where network models help epidemiologists prevent the spread of HIV, to Silicon Valley, where data scientists use network ideas to build products that enable people all across the globe to connect with one another.

Social Networks: Read More [+]

### Rules & Requirements

**Prerequisites:** Suggested: Introduction to Statistics (Computer Science/ Information/Statistics C8 or "Data 8"), Pre-calculus (Mathematics 32), Python, or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

### Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

10 weeks - 4.5-4.5 hours of lecture and 0-1.5 hours of discussion per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Letter grade. Final exam required.

**Instructor:** Feehan

Social Networks: Read Less [-]

## DEMOG 198 Directed Group Study 1 - 4 Units

Terms offered: Fall 2021, Fall 2020, Fall 2019

Undergraduate research by small groups. Enrollment is restricted by regulations governing 198 courses.

Directed Group Study: Read More [+]

### Rules & Requirements

**Prerequisites:** 60 units; good academic standing

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-3 hours of directed group study per week

**Summer:** 8 weeks - 1.5-7.5 hours of directed group study per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Directed Group Study: Read Less [-]

## DEMOG 199 Supervised Independent Study 1 - 4 Units

Terms offered: Fall 2019, Summer 2019, Fall 2018

Supervised independent study and research.

Supervised Independent Study: Read More [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-3 hours of independent study per week

**Summer:** 8 weeks - 1-3 hours of independent study per week

### Additional Details

**Subject/Course Level:** Demography/Undergraduate

**Grading/Final exam status:** Offered for pass/not pass grade only. Final exam not required.

Supervised Independent Study: Read Less [-]

## DEMOG 200 Fundamentals of Population Thought 4 Units

Terms offered: Fall 2021, Fall 2018, Fall 2015

This course offers an intensive introduction to the history of population thought in Europe and the United States through the close reading and contextualization of selected classic texts, including Graunt, Malthus, and Quetelet.

Required of graduate students in the M.A. or Ph.D. program in Demography.

Fundamentals of Population Thought: Read More [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Johnson-Hanks

Fundamentals of Population Thought: Read Less [-]

## DEMOG 210 Demographic Methods: Rates and Structures 4 Units

Terms offered: Fall 2021, Fall 2019, Fall 2018

Population models, multiple decrement life tables, hazard functions, stable population theory, projection matrices, projection programs, population waves, dual system estimation, computer-based exercises and simulations. Required course for Demography M.A. and Ph.D. students.

Demographic Methods: Rates and Structures: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Wachter

Demographic Methods: Rates and Structures: Read Less [-]

## DEMOG 211 Advanced Demographic Analysis 4 Units

Terms offered: Spring 2014, Spring 2013, Spring 2012

This course is designed to provide an overview of quantitative techniques commonly used in demography, sociology, economics, and other social sciences. Methods are described in both words and formulas, and students are encouraged to learn to move freely between verbal and mathematical representations of data.

Advanced Demographic Analysis: Read More [+]

### Rules & Requirements

**Prerequisites:** 210, Population Studies 110, or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Wilmoth

Advanced Demographic Analysis: Read Less [-]

## DEMOG 213 Practical Computer Applications for Demographic Analysis 2 Units

Terms offered: Fall 2021, Fall 2019, Fall 2018

An introductory course for first year Demography graduate students in the use of the Demography laboratory. Covers Unix based tools for manipulating computer programs and data files, and the R, SPlus, and SAS statistical packages. The course introduces the proportional hazard model and methods of estimating it. The final project for this course is use of the 1995 Current Population Survey (fertility supplement) to compute Total Fertility Rates for the U.S.

Practical Computer Applications for Demographic Analysis: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of demonstration per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

**Instructor:** Mason

Practical Computer Applications for Demographic Analysis: Read Less [-]



## DEMOG 215 Current Research Topics in Demography 2 Units

Terms offered: Fall 2010, Spring 2009, Spring 2008

The goals of this course are 1) to familiarize graduate students with active research projects in Demography and 2) to improve skills in R and Stata. Topics covered include demographic micro-simulation with SOCSIM, the Human Mortality Database, stochastic simulation/forecasting, GIS for Demographers, and mortality forecasting. Two-thirds of class time will be spent in the computer laboratory. Students will present results.

Current Research Topics in Demography: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 213

### Hours & Format

**Fall and/or spring:** 15 weeks - 1 hour of lecture and 2 hours of laboratory per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Current Research Topics in Demography: Read Less [\[-\]](#)

## DEMOG 220 Human Fertility 4 Units

Terms offered: Spring 2018, Spring 2013, Fall 2011

This course offers a critical, graduate-level introduction to the social science of reproduction, drawing especially on models and theories from demography, sociology, and anthropology. Among the topics are parity specific control and the calculus of conscious choice, below-replacement fertility, and the political economy of stratified reproduction.

Human Fertility: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Johnson-Hanks

Human Fertility: Read Less [\[-\]](#)

## DEMOG 230 Human Mortality 4 Units

Terms offered: Spring 2015, Spring 2011, Spring 2009

Measurement of mortality by age and cause. Traditional, transitional, and modern mortality patterns in European and non-European areas. Current trends and differentials by age, sex, race, occupation and marital status.

Consequences of mortality declines for fertility change and development.

Human Mortality: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 210 or consent of instructor

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Wilmoth

Human Mortality: Read Less [\[-\]](#)

## DEMOG C236 Aging: Economic and Demographic Aspects 2 Units

Terms offered: Spring 2006, Spring 2004, Spring 2002

Course considers demographic and economic aspects of population aging.

Aging: Economic and Demographic Aspects: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 7.5 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Lee

**Also listed as:** ECON C275B

Aging: Economic and Demographic Aspects: Read Less [\[-\]](#)

## DEMOG 240 Human Migration 2 Units

Terms offered: Spring 2013, Spring 2011, Spring 2000

Human populations analyzed from the stand point of their spatial distribution and movement. Special attention to rural-urban migration, metropolitan structure, inter-regional movement, and demographic aspects of land-use, the collection and analysis of emigration and immigration data and statistics, migration policies.

Human Migration: Read More [\[+\]](#)

### Hours & Format

**Fall and/or spring:** 7.5 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

Human Migration: Read Less [\[-\]](#)

## DEMOG 260 Special Topics in Demography Seminar 1 - 4 Units

Terms offered: Fall 2021, Spring 2021, Spring 2020

Special topics in demography, such as anthropological and evolutionary approaches, kinship and family structure, race and ethnicity, and similar specialized or new topics in the field of demography will be covered.

Seminar will be offered according to student demand.

Special Topics in Demography Seminar: Read More [+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit when topic changes.

### Hours & Format

#### Fall and/or spring:

6 weeks - 2.5-9.5 hours of seminar per week

8 weeks - 2-7 hours of seminar per week

10 weeks - 1.5-6 hours of seminar per week

15 weeks - 1-4 hours of seminar per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

Special Topics in Demography Seminar: Read Less [-]

## DEMOG C275A Economic Demography 3 Units

Terms offered: Spring 2019, Spring 2015, Spring 2014

Economic consequences of demographic change in developing and developed countries including capital formation, labor markets, and intergenerational transfers. Economic determinants of fertility, mortality and migration.

Economic Demography: Read More [+]

### Hours & Format

**Fall and/or spring:** 15 weeks - 2 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Lee

**Also listed as:** ECON C275A

Economic Demography: Read Less [-]

## DEMOG C280 Social Networks 4 Units

Terms offered: Fall 2021, Fall 2020, Spring 2019

This course provides a broad introduction to the empirical and theoretical study of social networks. We will cover classic and contemporary studies, beginning with fundamental definitions and models, and then moving through a range of topics, including models of network formation and structure (homophily, foci, communities); dynamic processes on networks (contagion, influence, and disease models); collaborative networks; personal networks; online networks; and network sampling and data collection. The course material is intended to be of interest to students from a wide range of disciplinary backgrounds, including demography, sociology, statistics, computer science, and related fields.

Social Networks: Read More [+]

### Rules & Requirements

**Credit Restrictions:** Students who have taken DEMOG 260-001: SOCIAL NETWORKS in spring 2017 or DEMOG 260-001: SOCIAL NETWORKS in spring 2018 for credit may not receive credit for DEMOG C280 or SOCIOL C273N.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of lecture per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

**Instructor:** Feehan

**Also listed as:** SOCIOL C273N

Social Networks: Read Less [-]

## DEMOG 296 Advanced Research Techniques 4 Units

Terms offered: Fall 2018, Fall 2017, Fall 2016

Problems in data acquisition, analysis, and presentation of technical demographic research. Required of graduate students in the Ph.D. program in Demography.

Advanced Research Techniques: Read More [+]

### Rules & Requirements

**Prerequisites:** 295 and consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 3 hours of seminar per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

Advanced Research Techniques: Read Less [-]

## DEMOG 298 Directed Reading 1 - 12 Units

Terms offered: Fall 2021, Spring 2021, Fall 2020

Intended to provide directed reading in subject matter not covered in available course offerings.

Directed Reading: Read More [a+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-12 hours of independent study per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

Directed Reading: Read Less [-]

## DEMOG 299 Directed Research 1 - 12 Units

Terms offered: Fall 2021, Summer 2021 8 Week Session, Spring 2021

Intended to provide supervision in the preparation of an original research paper or dissertation.

Directed Research: Read More [a+]

### Rules & Requirements

**Prerequisites:** Consent of instructor

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-12 hours of independent study per week

**Summer:** 8 weeks - 1.5-22.5 hours of independent study per week

### Additional Details

**Subject/Course Level:** Demography/Graduate

**Grading:** Letter grade.

Directed Research: Read Less [-]

## DEMOG 301 GSI Training 1 - 6 Units

Terms offered: Fall 2021, Fall 2020, Fall 2019

Course credit for experience gained in academic teaching through employment as a graduate student instructor.

GSI Training: Read More [a+]

### Rules & Requirements

**Prerequisites:** Appointment as a graduate student instructor in department

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-6 hours of seminar per week

**Summer:** 8 weeks - 1-6 hours of seminar per week

### Additional Details

**Subject/Course Level:** Demography/Professional course for teachers or prospective teachers

**Grading:** Offered for satisfactory/unsatisfactory grade only.

GSI Training: Read Less [-]

## DEMOG 601 Individual Study 1 - 8 Units

Terms offered: Fall 2021, Fall 2020, Fall 2019

Individual study, in consultation with the graduate adviser, intended for qualified students to do necessary work to prepare themselves for language examinations, and the comprehensive examination.

Individual Study: Read More [a+]

### Rules & Requirements

**Prerequisites:** Graduate standing

**Repeat rules:** Course may be repeated for credit without restriction.

### Hours & Format

**Fall and/or spring:** 15 weeks - 1-8 hours of independent study per week

### Additional Details

**Subject/Course Level:** Demography/Graduate examination preparation

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Individual Study: Read Less [-]

## **DEMOG 602 Individual Study for Doctoral Students 1 - 8 Units**

Terms offered: Fall 2021, Spring 2021, Fall 2020

Individual study in consultation with the major field adviser, intended to provide an opportunity for qualified students to prepare themselves for the various examinations required of candidates for the Ph.D.

Individual Study for Doctoral Students: [Read More](#) [+]

### **Rules & Requirements**

**Prerequisites:** For qualified graduate students

**Repeat rules:** Course may be repeated for credit without restriction.

### **Hours & Format**

**Fall and/or spring:** 15 weeks - 1-8 hours of independent study per week

### **Additional Details**

**Subject/Course Level:** Demography/Graduate examination preparation

**Grading:** Offered for satisfactory/unsatisfactory grade only.

Individual Study for Doctoral Students: [Read Less](#) [-]