Demography

Minor

The undergraduate minor in Demography provides an opportunity to combine a traditional major, typically in one of the social sciences, with specialized training in population studies.

Although there is no undergraduate major in Demography, seniors may take graduate courses with consent of the instructor.

Declaring the Minor

For information on how to declare the minor, please contact the department.

Students who have a strong interest in an area of study outside their major often decide to complete a minor program. These programs have set requirements and are noted officially on the transcript in the memoranda section, but are not noted on diplomas.

General Guidelines

1. All courses taken to fulfill the minor requirements below must be taken for graded credit.
2. A minimum of three of the upper division courses taken to fulfill the minor requirements must be completed at UC Berkeley.
3. A minimum grade point average (GPA) of 2.0 is required for courses used to fulfill the minor requirements.
4. Courses used to fulfill the minor requirements may be applied toward the Seven-Course Breadth requirement, for Letters & Science students.
5. No more than one upper division course may be used to simultaneously fulfill requirements for a student's major and minor programs.
6. All minor requirements must be completed prior to the last day of finals during the semester in which you plan to graduate. If you cannot finish all courses required for the minor by that time, please see a College of Letters & Science adviser.
7. All minor requirements must be completed within the unit ceiling. (For further information regarding the unit ceiling, please see the College Requirements tab.)

Requirements

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DEMOG 110</td>
<td>Introduction to Population Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DEMOG/SOCIOL C126</td>
<td>Sex, Death, and Data</td>
<td>4</td>
</tr>
<tr>
<td>DEMOG/ECON C175</td>
<td>Economic Demography</td>
<td>4</td>
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Statistical Methods or Vital Statistics

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ECON 140</td>
<td>Economic Statistics and Econometrics</td>
<td>4</td>
</tr>
<tr>
<td>ECON 141</td>
<td>Econometric Analysis</td>
<td>4</td>
</tr>
<tr>
<td>PSYCH 101</td>
<td>Research and Data Analysis in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PB HLTH 142</td>
<td>Introduction to Probability and Statistics in Biology and Public Health</td>
<td>4</td>
</tr>
<tr>
<td>SOCIOL 106</td>
<td>Quantitative Sociological Methods</td>
<td>4</td>
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<tr>
<td>STAT 131A</td>
<td>Introduction to Probability and Statistics for Life Scientists</td>
<td>4</td>
</tr>
<tr>
<td>STAT 135</td>
<td>Concepts of Statistics</td>
<td>4</td>
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Social Science Dealing with Demographic Factors

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>DEMOG 145AC/HISTORY C139B</td>
<td>The American Immigrant Experience</td>
<td>4</td>
</tr>
<tr>
<td>DEMOG/PUB POL C164</td>
<td>Impact of Government Policies on Poor Children and Families</td>
<td>4</td>
</tr>
<tr>
<td>DEMOG C165/SOCIOL C184</td>
<td>Family and Household in Comparative Perspective</td>
<td>3</td>
</tr>
<tr>
<td>DEMOG 180</td>
<td>Social Networks</td>
<td>4</td>
</tr>
<tr>
<td>ECON 155</td>
<td>Urban Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 157</td>
<td>Health Economics</td>
<td>4</td>
</tr>
<tr>
<td>ECON C171/ENVECON C151</td>
<td>Economic Development</td>
<td>4</td>
</tr>
<tr>
<td>HISTORY 137AD</td>
<td>The Repeopling of America</td>
<td>4</td>
</tr>
<tr>
<td>PB HLTH 181</td>
<td>Poverty and Population</td>
<td>3</td>
</tr>
<tr>
<td>SOCIOL 111</td>
<td>Sociology of the Family</td>
<td>4</td>
</tr>
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No substitutions for this course are allowed, unless the course is not being offered in the current academic year. In that case, written approval of a valid substitute course must be obtained and submitted along with the L&S Minor Completion Form.

Similar upper division courses of at least three units may be substituted with consent of the department.

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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.

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 More [+]

DEMOG 88 Immigration: What do the data tell us? 2 Units
Terms offered: Fall 2018, Fall 2017
This course will cover the small but important part of the rich history 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: Summer 2019 Second 6 Week Session, Fall 2018, Summer 2018 Second 6 Week Session
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 2018, Fall 2017, Fall 2016
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 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: Fall 2018, Fall 2017, Fall 2009
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.

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.

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.

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.

DEMOG 162 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.

DEMOG 163 Population Apocalypse in Film and Science 3 Units
Terms offered: Spring 2015, Fall 2014, Fall 2009
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.

Instructors: Mason, Goldstein

Terms offered: Fall 2018, Fall 2017, Fall 2009
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.

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.

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 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 2019, Spring 2018, Spring 2017
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?

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: Summer 2019 Second 6 Week Session, Spring 2019, Summer 2018 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.

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: Spring 2019, Fall 2018, Spring 2018
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 2018, Spring 2018, Fall 2017
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 [-]