Spring 2016 Public Health Courses
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**Lower-Division Biology:**

**BILD 1** The Cell: CHEM 6A; CHEM 6B may be taken concurrently
CHEM 6B: Chem 6A or 6AH and Math 10A or 20A. Recommended: concurrent or prior enrollment in Math 10B or 20B
CHEM 6A: proficiency in high school chemistry and/or physics; concurrent or prior enrollment in Math 10A or 20A

**BILD 2** Multicellular Life: BILD 1

**BILD 3** Organismic and Evolutionary Biology: none

**COGS 17** Neurobiology of Cognition: none; students may not receive credit for both BILD 12 and COGS 17

**BILD 22** Human Nutrition: nonbiology majors only. Students may not receive credit for BILD 22 after receiving credit for BIBC 120

**Lower-Division Quantitative Methods:**

**MATH 11** Calculus-Based Introductory Probability and Statistics: AP Calculus BC score of 3, 4, or 5, or MATH 10B or MATH 20B

**PSYC 60** Introduction to Statistics: none

**Lower-Division Social & Behavioral Science Electives:**

**ANTH 23** Debating Multiculturalism: Race, Ethnicity, and Class in American Societies: none

**ESYS 10** Introduction to Environmental Systems: none

**SOCI 10** American Society: Social Structure and Culture in the U.S.: none

**SOCI 40** Sociology of Health-Care Issues: none

**Upper-Division Public Health Sciences:**

**FPMU 101** Epidemiology: FPMU 40; PSYC 60 or MATH 11; and upper-division standing

**FPMU 102** Biostatistics in Public Health: FPMU 40; PSYC 60 or MATH 11; and upper-division standing

**FPMU 120** Health Policies for Healthy Lifestyles: FPMU 110 and upper-division standing

**USP 143** The US Health-Care System: upper-division standing or consent of instructor
Spring 2016 Public Health Courses

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Upper-Division Epidemiology & Biostatistics Electives:

**BICD 136** AIDS Science and Society: BILD 1, BILD 2 recommended
- BILD 1: CHEM 6A; CHEM 6B may be taken concurrently
- BILD 2: BILD 1

**BIEB 100** Biostatistics: BILD 3 and MATH 10A or MATH 20A and MATH 10B or MATH 20B
- BILD 3 Organismic and Evolutionary Biology: none

**BIMM 114** Virology: BIMM 100
- BIMM 100 Molecular Biology: BIBC 100 or BIBC 102, and BICD 100
- BIBC 100 Structural Biochemistry: CHEM 140A and CHEM 140B
  - CHEM 140A: CHEM 6C or equivalent course in general chemistry
- BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B
  - CHEM 140A: CHEM 6C or equivalent course in general chemistry
- BICD 100 Genetics: BILD 1
  - BILD 1 The Cell: CHEM 6A; CHEM 6B may be taken concurrently

**ECON 120A** Econometrics A: ECON 1A or 1; and MATH 10C or 20C
- ECON 1 Principles of Microeconomics: none
- MATH 20C: AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C– or better.

**ECON 120B** Econometrics B: ECON 120A or ECE 109 or MATH 180B or MATH 183 or MATH 186 (Credit not allowed for both ECON 120B and MATH 181A)

**MATH 111A** Mathematical Modeling I: MATH 20D, either MATH 20F or MATH 31AH, and MATH 109, or consent of instructor
- MATH 20D Introduction to Differential Equations: MATH 20C (or MATH 21C) or MATH 31BH with a grade of C– or better
  - MATH 20C: AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C– or better.
- MATH 20F Linear Algebra: MATH 20C (or MATH 21C) with a grade of C– or better
- MATH 109 Mathematical Reasoning: MATH 20F or MATH 31AH or consent of instructor

**MATH 181A** Introduction to Mathematical Statistics I: MATH 180A, and MATH 20F or MATH 31AH, or consent of instructor.
- MATH 180A Introduction to Probability: MATH 20C or MATH 31BH, or consent of instructor
- MATH 20F Linear Algebra: MATH 20C (or MATH 21C) with a grade of C– or better

**MATH 181B** Introduction to Mathematical Statistics II (S): MATH 181A or consent of instructor (Two units of credit offered for MATH 181B if ECON 120B taken previously; no credit offered if ECON 120B taken concurrently)

**MATH 181C** Mathematical Statistics – Nonparametric Statistics: MATH 181B or consent of instructor

**MATH 183** Statistical Methods: MATH 20C (or MATH 21C) with a grade of C- or better
(Cannot get credit for MATH 183 if you’ve already received credit for ECON 120A, ECE 109, MATH 180A, MATH 181A, or MATH 186)

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Spring 2016 Public Health Courses
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**Upper-Division Social & Behavioral Sciences Electives:**

**BIBC 120** Nutrition: BIBC 102  
BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B  
**PSYC 134** Eating Disorders: upper-division standing

**Upper-Division Health Policy Electives:**

**ECON 120A** Econometrics A: ECON 1A or 1; and MATH 10C or 20C  
ECON 1 Principles of Microeconomics: none  
MATH 20C: AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C– or better.  
**ECON 120B** Econometrics B: ECON 120A or ECE 109 or MATH 180B or MATH 183 or MATH 186 (Credit not allowed for both ECON 120B and MATH 181A)  
**ECON 130** Public Policy: ECON 1A-B or ECON 2 or ECON 100A  
ECON 2 Market Imperfections and Policy: ECON 1 or 1A  
ECON 1 Principles of Microeconomics: none  
**ECON 120B** Economics of Health Producers: ECON 1A-B or ECON 2 or ECON 100B  
ECON 2 Market Imperfections and Policy: ECON 1 or 1A  
ECON 1 Principles of Microeconomics: none  
**ECON 140** Economics of Health Producers: ECON 1A-B or ECON 2 or ECON 100B  
ECON 2 Market Imperfections and Policy: ECON 1 or 1A  
ECON 1 Principles of Microeconomics: none  
**ECON 141** Economics of Health Consumers: ECON 100C  
ECON 100C Microeconomics C: ECON 100B or ECON 170B  
ECON 100B Microeconomics B: ECON 100A or ECON 170A  
ECON 100A Microeconomics A: ECON 1 and MATH 10C or MATH 20C or MATH 31BH  
**POLI 160AA** Introduction to Policy Analysis: POLI 10 or POLI 11  
POLI 10 Introduction to Political Science: American Politics: none  
POLI 11 Introduction to Political Science: Comparative Politics: none  
**SOCI 152/USP 133** Social Inequality and Public Policy: upper-division standing

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Spring 2016 Public Health Courses

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Upper-Division General Electives:

ANSC 148 Global Health and Cultural Diversity: upper-division standing
BIPN 134 Human Reproduction: BIPN 100
  BIPN 100: Human Physiology I: BILD 1 and BILD 2
ECON 125 Demographic Analysis and Forecasting: ECON 120B or MATH 181B
  ECON 120B Econometrics B: ECON 120A or ECE 109 or MATH 180B or MATH 183 or MATH 186
  ECON 120A Econometrics A: ECON 1A or 1; and MATH 10C or MATH 20C
  ECON 1 Principles of Microeconomics: none
MATH 181B Introduction to Mathematical Statistics II: MATH 181A or consent of instructor
  MATH 181A Introduction to Mathematical Statistics I: MATH 180A, and MATH 20F or
  MATH 31AH, or consent of instructor
  MATH 180A Introduction to Probability: MATH 20C or MATH 31BH, or consent of
  instructor
  MATH 20F Linear Algebra: MATH 20C (or MATH 21C) with a grade of C– or better
ECON 142 Behavioral Economics: ECON 109
  ECON 109 Game Theory: ECON 100C or MATH 31CH or MATH 109 or (CSE 20 and MATH 20C)
  ECON 100C Microeconomics C: ECON 100B or ECON 170B
  ECON 100B Microeconomics B: ECON 100A OR ECON 170A
  ECON 100A Microeconomics A: ECON 1 and MATH 10C or MATH 20C or
  MATH 31BH
  ECON 1 Principles of Microeconomics: none

ECON 143 Experimental Economics: ECON 109
  ECON 109 Game Theory: ECON 100C or MATH 31CH or MATH 109 or (CSE 20 and MATH 20C)
ETHN 185 Discourse, Power, and Inequality: none
FPMU 180C Advanced Practicum III: FPMU 40; FPMU 50; upper-division standing; and application (see
  http://bsph.ucsd.edu/practicum.html for details)
FPMU 199 Independent Study/Research: upper-division standing and instructor approval
HDP 122 Social Development: HDP 1
  HDP 1 Introduction to Human Development: none
PHIL 148 Philosophy and the Environment: upper-division standing or consent of instructor
PSYC 104 Introduction to Social Psychology: upper-division standing
USP 145 Aging – Social and Health Policy Issues: upper-division standing

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