Winter 2016 Public Health Courses
Schedule is subject to change at the discretion of the department hosting the course.

**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 26 Human Physiology: nonbiology majors only

**Lower-Division Quantitative Methods:**
PSYC 60 Introduction to Statistics: none

**Lower-Division Social & Behavioral Science Electives:**
ANTH 1 Introduction to Culture: None
ANTH 23 Debating Multiculturalism: Race, Ethnicity, and Class in American Societies: none
HILD 30 History of Public Health: none
PSYC 6 General Psychology: Social Foundations: none

**Lower-Division Public Health Sciences:**
FPMU 40 Introduction to Public Health: 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 110 Health Behavior and Chronic Disease: FPMU 40 and upper-division standing
FPMU 180B Advanced Practicum II: FPMU 40; FPMU 50; upper-division standing; and application (see http://bsphe.ucsd.edu/practicum.html for details)
FPMU 199 Independent Study/Research: upper-division standing and instructor approval
USP 143 The US Health-Care System: upper-division standing or consent of instructor
Winter 2016 Public Health Courses

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Upper-Division Epidemiology & Biostatistics Electives:

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 or ECON 120A, 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 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)

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

Upper-Division Social & Behavioral Sciences Electives:

BIBC 120 Nutrition: BIBC 102
BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B

PSYC 188 Impulse Control Disorders: upper-division standing

SOCI 136E Sociology of Mental Illness: An Historical Approach: upper-division standing
SOCI 137 Sociology of Food: upper-division standing

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Winter 2016 Public Health Courses
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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 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

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Winter 2016 Public Health Courses

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Upper-Division General Electives:

**BICD 134** Human Reproduction and Development: BIBC 102 and BICD 100
  - BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B
    - CHEM 140A: CHEM 6C or equivalent course in general chemistry
    - BICD 100 Genetics: BILD 1

**COMM 109D** MC: Advertising and Society: COMM 10
  - COMM 10 Introduction to Communication: none

**COGS 174** Drugs: Brain, Mind, and Culture: upper-division standing

**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

**ECON 120B** 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

**ECON 120A** Econometrics A: ECON 1A or 1; and MATH 10C or MATH 20C

**ECON 1** Principles of Microeconomics: none

**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 183/CGS 114** Gender, Race, Ethnicity and Class: none

**PSYC 104** Introduction to Social Psychology: upper-division standing

**SOCI 104Q** Qualitative Interviewing: upper-division standing

**SOCI 113** Sociology of the AIDS Epidemic: upper-division standing

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*Updated 10/30/2015*