Fall 2015 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
BILD 12 Neurobiology and Behavior: nonbiology majors only
COGS 17 Neurobiology of Cognition: none; students may not receive credit for both BILD 12 and COGS 17

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

Lower-Division Social & Behavioral Science Electives:
ANTH 23 Debating Multiculturalism: Race, Ethnicity, and Class in American Societies: none
ENVR 30 Environmental Issues: Natural Sciences: none
PSYC 4 General Psychology: Behavioral Foundations: none

Lower-Division Public Health Sciences:
FPMU 40 Introduction to Public Health: none
FPMU 50 Primary Care and Public Health: none

Upper-Division Public Health Sciences:
FPMU 101 Epidemiology: FPMU 40; PSYC 60 or MATH 11; and upper-division standing
FPMU 130 Environmental & Occupational Health: FPMU 50; FPMU 101 or 101A; and upper-division standing
FPMU 180A Advanced Practicum I: FPMU 40; FPMU 50; upper-division standing; and application (see http://bsph.ucsd.edu/practicum.html for details)
FPMU 199 Junior or senior standing and instructor approval
Fall 2015 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 and either MATH 20F or MATH 31AH, 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 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

**Upper-Division Health Policy Electives:**

**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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Upper-Division Social & Behavioral Sciences Electives:

**BIBC 120 Nutrition:** BIBC 102

- BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B

**BIPN 108 Physiology of Exercise:** BIPN 100 required; BIPN 102 and BIBC 102 recommended

- BIPN 100 Mammalian Physiology I: BILD 1; BILD 2
- BIPN 102 Mammalian Physiology II: BIPN 100; BIBC 102 may be taken concurrently
- BIBC 102 Metabolic Biochemistry: CHEM 140A and CHEM 140B
- CHEM 140A: CHEM 6C or equivalent course in general chemistry

**PSYC 134** Eating Disorders: upper-division standing

**PSYC 155** Social Psychology and Medicine: upper-division standing

**PSYC 179** Drugs, Addiction, and Mental Disorders: upper-division standing

**PSYC 181** Drugs and Behavior: upper-division standing

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**Upper-Division General Electives:**

- **ANSC 148** Global Health and Cultural Diversity: upper-division standing
- **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 109D** MC: Advertising and Society: COMM 10
- **COMM 10** Introduction to Communication: none
- **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
  - 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)
- **HDP 115** Media and Design of Social Learning Contexts: HDP 1 or COMM 100A
  - HDP 1: Introduction to Human Development: none
  - COMM 100A Situated Practices: COMM 10
  - COMM 10 Introduction to Communication: none
- **HDP 122** Social Development: HDP 1
  - HDP 1: Introduction to Human Development: none
- **PHIL 163** Biomedical Ethics: upper-division standing or consent of instructor
- **PSYC 104** Introduction to Social Psychology: upper-division standing
- **SOC1 104Q** Qualitative Interviewing: upper-division standing
- **USP 144** Environmental and Preventive Health Issues: upper-division standing or consent of instructor

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*Updated 05/01/2015*