Fall 2015 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

**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: one year mathematics or consent of instructor

**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 130** Environmental & Occupational Health: FPMU 50; FPMU 101A; and upper-division standing  
FPMU 101A Epidemiology & Biostatistics A (*Offered in Winter*): FPMU 40; PSYC 60 or Math 11; and upper-division standing

**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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Fall 2015 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

**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:** PSYC 60 or equivalent and PSYC 104

**PSYC 179 Drugs, Addiction, and Mental Disorders:** one lower-division psychology course (1, 2, 3, or 4) or upper-division standing

**PSYC 181 Drugs and Behavior:** psychology major or minor, or biology major or minor (must request authorization to enroll from PSYC department via VAC)

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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 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

**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 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 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; PSYC 60 or BIEB 100 or COGS 14 or ECON 120A or MATH 11 or MATH 181A or MATH 183 or SOCI 60

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

**USP 144** Environmental and Preventive Health Issues: upper-division standing or consent of instructor

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