

Boston University

School of Public Health



Course Rotation Guide

2016-2017

Prepared by the Boston University School of Public Health Office of Professional and Academic Services

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ACADEMIC CONCENTRATIONS, DEPARTMENTS, AND PROGRAM CONTACTS

Biostatistics

Chair, ad interim: L Josee Dupuis
Associate Chair for Education: Alexa Beiser
MPH Program Director: Timothy Heeren
MA & PhD Program Co-Directors: Howard Cabral, Serkalem Demissie, and Gheorghe Doros
Program Manager: Marisa Crowley, marisac@bu.edu, 617-638-5207

Community Health Sciences

Chair: Richard Saitz
Program Manager: Felipe Agudelo, fagudelo@bu.edu, (617) 414-1387
Program Manager: Anneke Demmink, ademmink@bu.edu, 617-638-5048
Associate Chair for Education: Lois McCloskey

Maternal & Child Health Concentration

MPH Program Director: Lois McCloskey

Social & Behavioral Sciences Concentration

MPH Program Director: Michael Siegel

Doctor of Public Health Program

Assistant Dean of DrPH Education: Eugene Declercq
Doctoral Education Program Manager: Sebastian Bach, drph@bu.edu, 617-638-4873

Environmental Health

Chair: Roberta White
Associate Chair: Jonathan Levy
MPH Program Director: Jean van Seventer
MS Program Director: Jennifer Schlezinger
PhD Program Directors: Michael McClean and Madeleine Scammell
Curriculum Coordinator: Chana Leah Rosenbaum, clrose@bu.edu, 617-638- 5940

Epidemiology

Chair: Martha Werler
Associate Chair for Education: Dan Brooks
MPH Program Director: Dan Brooks
MS Program Director: Ann Aschengrau
PhD Program Director: Sherri Stuver
Program Manager: Kelly Sullivan, ksull@bu.edu, 617-638-8322

Global Health

Chair, ad interim: Frank (Rich) Feeley
Associate Chair and MPH Program Director: Taryn Vian
Senior Manager, Academic Programs: Joseph Anzalone, josanz@bu.edu, 617-638-5396
Program Manager: Travis DiJoseph, tdijo@bu.edu, 617-414-1223

Health Law, Policy, and Management

Chair: Michael Stein
Associate Chair: Victoria Parker
MPH Program Director: Winnie Roche
Program Manager: Andrea Tingue, atingue@bu.edu, 617-638-5044
Administrative Coordinator: Jesse Walsh, jwalsh13@bu.edu, 617-638-4626

Health Services Research

MS Program Director: Mari-Lynn Drainoni
PhD Program Director: Victoria Parker

ROTATION SCHEDULE FOR ALL COURSES

The Course Rotation Guide is a resource to assist students in planning their academic programs. The courses listed are planned, but not necessarily promised. To confirm the status of a course, please review the current semester class schedule on the [BU Student Link](#).

Some programs allow students to complete directed study and directed research courses available for 1, 2, 3, or 4 credits every fall, spring, and summer semester. The directed study and directed research course numbers are: BS901 and 902; EH961 & 962; EP911 and 912; GH941, 942 and 943 (culminating experience only); LW951 & 952; MC931 & 932; PM931 & 932; SB921 & 922. The course number is determined by the academic appointment of the supervising SPH faculty member.

Abbreviations: "Alt." = Alternate (every other); "TBD" = to be determined

Biostatistics

Course Number	Course Title	When Offered
BS704	Introduction to Biostatistics	Fall, Spring, & Summer
BS715	Practical Skills for Biostatistics Collaboration	Spring
BS722	Design & Conduct of Clinical Trials	Fall & Spring
BS723	Introduction to Statistical Computing	Fall, Spring, & Summer
BS728	Public Health Surveillance, A Methods-Based Approach	Fall
BS730	Introduction to R: Software for Statistical Computing	Fall, Spring, & Summer
BS740	Design and Conduct of Public Health Research	Fall and Spring beginning spring 2017
BS750	Essentials of Quantitative Data Management	Spring
BS775	Applications of Statistical Methods in Clinical Research	Alt. Springs (even years)
BS805	Intermediate Statistical Computing and Applied Regression Analysis	Fall, Spring, & Summer
BS810	Meta-Analysis for Public Health & Medical Research	Fall
BS820	Logistic Regression and Survival Analysis	Spring
BS821	Categorical Data Analysis	Fall
BS822	Advanced Statistical Computing	Alt. Spring (odd years)
BS825	Advanced Infectious Disease Epidemiology	Fall (beginning fall 2017?)
BS830	Design and Analysis of Microarray Experiments and Next Generation Sequencing	Alt. Falls (odd years)
BS845	Applied Statistical Modeling & Programming with R	Fall
BS851	Applied Statistics in Clinical Trials I	Summer '16, Spring '17, Fall '17 (Fall after that)
BS852	Statistical Methods in Epidemiology	Fall & Spring
BS853	Generalized Linear Models with Applications	Spring
BS854	Bayesian Methods in Clinical Trials	Alt. Falls (odd years)
BS855	Bayesian Modeling for Biomedical Research and PH	Alt. Falls (even years)
BS856	Adaptive Designs for Clinical Trials	Alt. Springs (odd years)

BS857	Analysis of Correlated Data	Spring
BS858	Statistical Genetics I	Fall
BS859	Applied Genetic Analysis	Alt. Springs (odd years)
BS860	Statistical Genetics II	Alt. Springs (even years)
BS861	Applied Statistics in Clinical Trials II	Fall
BS940	Culminating Experience in Biostatistics	Spring, Summer, Fall
BS980	Continuing Study (fee)	Fall, Spring, & Summer

Environmental Health

<i>Course Number</i>	<i>Course Title</i>	<i>When Offered</i>
EH705	Toxicology for Public Health	Spring beginning spring 2017
EH707	Physiology for Public Health	Spring beginning spring 2017
EH710	Physiological Mechanisms of Health and Disease	Fall
EH713	Molecular Biology & Public Health	Spring
EH717	Foundations of Environmental Health	Fall 16, Spring 17 & Summer 17
EH725	Analytical Methods in Environmental Health	Fall (not offered after Fall '16)
EH730	Methods in Environmental Health Science	Fall and Spring beginning in Spring 2017
EH735	Environmental Determinants of Infectious Disease	Spring
EH745	Wastewater and Health / Sustainable Sanitation	Fall
EH750	Water Quality and Public Health	Fall
EH757	Environmental Epidemiology	Fall 2016 then spring beginning spring 2018
EH768	Introduction to Toxicology	Spring
EH804	Exposure Assessment	Spring 2017 then fall beginning fall 2017
EH805	Environmental Health Science, Policy and Law	Alt. Springs (even years)
EH811	Geographic Information Systems (GIS) in Public Health	Fall and spring
EH840	Advanced and Emerging Topics in Toxicology	Fall
EH866	Risk Assessment Methods	Spring
EH914	Environmental Health Doctoral Seminar	Fall
EH980	Continuing Study in Environmental Health (fee)	Fall & Spring
PH825	Analysis of Emerging Infections Using the One Health Approach	Fall

Epidemiology

<i>Course Number</i>	<i>Course Title</i>	<i>When Offered</i>
EP713	Introduction to Epidemiology	Fall, Spring, & Summer
EP721	Survey Methods for Public Health	Fall
EP730	Epidemiology of Vaccine-Preventable Diseases	Spring
EP735	Principles of Cancer Epidemiology (2 cr.)	Spring
EP740	Introduction to the Epidemiology of Aging	Summer
EP748	Drug Epidemiology (formerly EP830)	Fall & Spring
EP751	Cardiovascular Epidemiology	Fall
EP752	Cancer Epidemiology (4 cr.)	TBD
EP755	Infectious Disease Epidemiology	Fall & Spring
EP758	Nutritional Epidemiology	Summer
EP759	Reproductive Epidemiology	Fall & Spring
EP762	Clinical Epidemiology	Spring
EP763	Genetic Epidemiology	Fall
EP764	The Epidemiology of HIV/AIDS in the Developed and Developing World	Fall
EP770	Concepts and Methods of Epidemiology	Fall and spring starting in spring 2017
EP775	Social Epidemiology	Spring
EP784	The Epidemiology of Tuberculosis in the Developed & Developing World	Fall
EP790	Epidemiology of Mental Health Disorders	Spring beginning spring 2017
EP800	Microbes & Methods: Selected Topics in Outbreak Investigations	Fall
EP813	Intermediate Epidemiology	Fall & Spring
EP817	A Guided Epidemiologic Study	Spring
EP850	Applications of Intermediate Epidemiology	Fall
EP820	Perspectives on Epidemiologic Studies	Spring (Spring break)
EP854	Advanced Epidemiology (formerly Modern Epidemiology)	Fall
EP855	Advanced Epidemiology Seminar: Issues in Study Design	Alt. Springs (odd years)
EP857	Design and Conduct of Cohort Studies	Fall
EP858	Design and Conduct of Case-Control Studies	Fall
EP860	Novel Analytic Methods for Epidemiology	Alt. Springs (even years)
EP861	Quantitative Bias Analysis Methods for Epidemiologic Research	Spring (alt years, odd)
EP862	Simulating Problems For Learning Epidemiology (SimPLE)	Spring (alt years, odd)
EP940	Culminating Experience in Epidemiology	Fall & Spring
EP980	Continuing Study in Epidemiology (fee)	Fall & Spring

Global Health

Course Number	Course Title	When Offered
GH704	Global Public Health and Medical Care: A Systems Approach	Fall & Spring (phase out for '17-'18)
GH707	Kenya: Field Practicum in Public Health and the Environment	Summer (Phase out after summer '16)
GH708	Philippines Program/Classroom and Health Financing Study Tour	Summer(Phase out after summer '16)
GH709	Philippines Program/Internship	Summer(Phase out after summer '16)
GH712	Field Practicum in Mexico: Community Assessment	Summer(Phase out after summer '16)
GH713	Field Practicum in Mexico: Data Analysis	Summer(Phase out after summer '16)
GH715	Antiretroviral Program Management and Adherence Issues in Low-Resource Settings	Fall
GH720	Social & Behavioral Sciences in Global Public Health	Fall & Spring (phase out for '17-'18)
GH722	Supply Chain Management for Improved Health System Performance	Spring
GH735	Gender, Sexuality, Power, and Inequity in Global Health	Fall (not offered after Fall '16)
GH741	Global Health Consultation Techniques	Spring Break Week
GH743	Implementing Health Programs in Developing Countries: Making Programs Work	Fall & Spring
GH744	Program Design for Global Health	Summer
GH745	Monitoring & Evaluation of Global Health Programs	Fall & Spring
GH750	Gender, Health and Rights	Fall and Beginning Spring 2017 and fall 2017
GH755	Managing Disasters and Complex Humanitarian Emergencies	Spring
GH756	Applied Methods for Pharmaceutical Systems Assessment	Fall
GH757	Fighting Corruption Through Accountability & Transparency	Spring
GH760	Foundations of Global Health	Fall and Spring beginning spring 2017
GH762	Essentials of Economics and Financing for Global Health	Fall
GH765	Cross-Cultural Approaches to Mental Health in Low and Middle Income Countries	Fall beginning fall 2017
GH766	Sexual & Reproductive Health in Disaster Settings	Fall
GH770	Poverty, Health, and Development	Spring
GH773	Financial Management for Health Programs	Fall & Spring
GH774	Community Health Assessment in Mexico: A Field Practicum	Beginning Summer 2017
GH775	Field Practicum in Public Health in Tanzania	Beginning Summer 2017

GH777	Global Health Culminating Experience Writing Seminar	Fall & Spring
GH795	Global Aids Epidemic: Social & Economic Determinants, Impact, & Responses	Fall
GH800	Clinical development of a new medicinal: A case study about licensing a new vaccine for the developing world	Spring
GH804	mHealth	Spring
GH805	Controversies in Global Control and Eradication of Infection Diseases	Spring
GH811	Applied Research Methods in Global Health	Fall and Spring
GH815	Methods for Impact Evaluation	Fall beginning fall 2017
GH854	From Data to Dashboards: Building Excel Skills to Support Health Program Decisions	Fall & Spring
GH880	Confronting non-communicable diseases in the developing world: the burden, costs and health systems challenges	Spring
GH881	Global Reproductive and Perinatal Health	Spring
GH885	Global Trade, Intellectual Property and Public Health	Fall
GH887	Planning & Managing MCH Programs In Developing Countries	Fall
GH888	Seminar on Global Health Policy Issues	Spring
GH891	Global Pharmaceutical Policy: at the Intersection of Process and Politics	Spring
GH943	Global Health Directed Study for Culminating Experience	Fall/Spring/Summer
GH950	Global Health Culminating Experience, first registration	Fall/Spring/Summer
GH951	Global Health Culminating Experience, Second Registration	Fall/Spring/Summer

Health Law, Bioethics & Human Rights in Health Law, Policy & Management

<i>Course Number</i>	<i>Course Title</i>	<i>When Offered</i>
LW709	Health Care Rationing	Summer
LW719	Essentials of Public Health Law	Fall, Spring & Summer
LW725	Ethical Issues in Medicine and Public Health	Fall
LW739	Jewish Bioethics and Holocaust Studies	Spring
LW740	Health and Human Rights	Fall and spring
LW830	Health Insurance and the Affordable Care Act	Spring
LW840	Health Law, Bioethics, and Human Rights	Spring
LW850	Public Health Law	Spring
LW854	Mental Health Law, Ethics & Policy	Spring

Maternal and Child Health in Community Health Sciences

Course Number	Course Title	When Offered
MC705	Safer Sex in the City: From Science to Policy	Spring
MC725	Women, Children, & Adolescents: Public Health Approaches	Fall & Spring
MC730	Leading To Face Challenges And Achieve Results In Public Health	Spring & Summer
MC759	Perinatal and Child Health Epidemiology	Fall
MC763	Maternal & Child Health Policy Making	Spring
MC770	Children With Special Health Care Needs	Summer
MC775	Social Justice and the Health of Populations: Racism and other systems of oppression in America	Spring
MC782	Women & Substance Use	Summer
MC785	Reproductive Health Advocacy: From Rights to Justice	Alt. Spring (odd years)
MC786	Immigrant Family Health: Public Health Across Borders	Fall
MC795	The Health of Adolescents and Emerging Adults	Spring
MC800	Preventing Mental Health Disorders Among Women, Children, and Adolescents: A Life Course Perspective	Spring
MC802	Implementing Community Health Initiatives: A Field-based Course in Leadership and Consultation	Fall
MC805	Perinatal and Child Health Services: From Evidence to Innovation	Fall beginning in fall 2017
MC815	Sexual and Reproductive Health Advocacy: Practice in Global and Local Context	Alt. Spring (even years)
MC820	Managing Public Health Programs and Projects	Fall
MC840	Women and Health Policy: Gender, Evidence, and Politics	Fall
MC845	Perinatal Health Services	Spring
MC940	Culminating Experience in MCH	Fall, Spring, Summer
MC941	Culminating Experience in MCH II	Fall Spring, Summer

General Public Health Courses

Course Number	Course Title	When Offered
PH510 and PH511 are for undergraduates only and do not carry MPH degree credit		
PH510	Introduction to Public Health: Undergraduates Only	Fall & Spring
PH511	Pathogens, Poverty, and Populations: An Introduction to Global Health	Spring only
Integrated Core Courses		
PH717	Quantitative Methods for Public Health	Starting Spring 2016
PH718	Leadership and Management for Public Health	Starting Spring 2016
PH719	Health Systems, Law, and Policy	Starting Spring 2016
PH720	Individual, Community and Population Health	Starting Spring 2016
PH728	Religion and Public Health (carries SB concentration credit; for all others, carries elective credit)	Spring
Graduate Level PH Courses		
PH712	Public Health Response to Emergencies in the United States	Prior to spring semester (first full week in January)
PH739	Foundations of Infectious Disease for Public Health	Spring beginning spring 2017
PH740	Pharmaceuticals in Public Health: An Introductory Course (carries Global Health credit and is required for the Pharmaceutical Certificate Program)	Fall & Spring
PH746	Career PREP	Beginning Spring 2017
PH757	Chronic Disease Prevention and Management	Spring beginning Spring 2017
PH976	240 hour practicum for MPH students who start the program in fall 2016	Fall, Spring, Summer
PH780	Chronic and Non-communicable Diseases: A Public Health Perspective	Fall and Spring beginning in spring 2017
PH800	Preparing Doctoral Students to Teach Public Health	Summer, not summer 2016
PH801	Community-Engaged Research: Theories, Methods, and Applications	Fall Beginning Fall 2017
PH820	Capstone Course in Chronic and Non-Communicable Diseases	Fall and Spring beginning Fall 2017
PH825	Analysis of Emerging Infections Using the One Health Approach	Fall
PH842	Research Theory and Design (advanced MPH and doctoral)	Fall
PH843	Quantitative Methods for Public Health and Health Services Research (advanced MPH and doctoral)	Fall
PH844	Introduction to Qualitative Analysis for Public Health and Health Services Research (advanced MPH and doctoral)	Spring
PH845	Integrated Learning Experience for MPH students who start the program in fall 2016	Fall, Spring, Summer

PH851-858	Doctor of Public Health Required Courses	Fall and Spring according to schedule
PH970, 975, 984	Public Health Practicum	Fall, Spring, & Summer
PH971	MSW/MPH Practicum for students who were accepted before Fall 2016	Fall, Spring, & Summer
PH986	Doctor of Public Health Practicum	Fall, Spring, & Summer
PH995	Summer Research for Curricular Practical Training	Summer

Health Policy and Management in Health Law, Policy and Management

Course Number	Course Title	When Offered
PM702	Introduction to Health Policy and Management	Fall, Spring
PM714	Developing as a Health Care Management Professional	Fall beginning fall 2016
PM721	Organizational Behavior and Health Management	Fall, Spring
PM733	Health Program Management	TBA
PM734	Principles of Non-Profit Accounting	Spring
PM735	Health Care Finance: how policy-makers & managers can use money as a tool to improve health care	Spring and Fall (starting in Fall 2016)
PM736	Human Resource Management in Public Health	Fall
PM740	Comparative Health Systems and Policy in Industrialized and BRIC Countries	Fall
PM755	Health Care Delivery Systems: Issues and Innovations	Fall & Spring
PM758	Introduction to Mental Health Services	Fall
PM760	Health Law, Policy, and Policymaking	Spring Beginning Spring 2017
PM776	Managerial Skills for Problem Solving	Fall
PM780	Managerial Accounting for Healthcare Leaders	Fall
PM785	Mental Health Advocacy	Spring beginning spring 2017
PM802	Pharmaceutical Management, Policy and Practice in the 21st Century: A Case Study Approach	Fall
PM804	Digital Disruption In Health: The Effects Of Health Information Technologies On Polices, Delivery, Patient Engagement, And Health Outcomes	Fall
PM807	Introduction to Cost Effectiveness Analysis	Spring
PM811	Health Services Research Methods	Spring (not in spring 2016)
PM814	Contemporary Theoretical & Empirical Issues in Health Services Research	Fall
PM818	Health Information Technology	Spring
PM821	Advanced Quantitative Health Services Research Methods	Summer
PM824	Theory & Research on Organizations	Alt. Fall (odd years)
PM826	Health, Illness & The Use of Health Services	Spring (alternate even years)
PM827	Strategic Management of Health Care Organizations	Fall & Spring
PM828	Advanced Seminar in Qualitative Methods for Health Services Research	Fall (alternate even years)
PM830	Developing Patient-Based Health Status and Outcomes Measures	Spring (alternate odd years)
PM831	Implementation Science: Linking Research to Practice	Fall & Spring
PM832	Operations Management in Health Care	Fall and Spring
PM833	Health Economics	Fall

PM834	Health Regulation & Planning	Fall & Spring
PM835	Lean Management Techniques for Quality Health Care	Spring
PM837	Evaluating Health Care Quality	Fall
PM838	Health Politics and Public Policy	Spring
PM840	Analysis of Current Health Policy Issues	Fall
PM842	Health Economics for Health Services Research	Alt. Springs (odd years)
PM844	Health Policy and Policy-Making for Public Health Researchers	Spring (alternate odd years)
PM850	Consumer Organizing and Advocacy for Health System Change	Fall
PM855	Cost Effectiveness Analysis & Decision Analysis	Alt. Springs (even years)
PM940	Health Policy & Management Culminating Experience	Fall, Spring, & Summer
PM980	Continuing Study in Health Services Research	Fall and Spring

Social & Behavioral Sciences in Community Health Sciences

<i>Course Number</i>	<i>Course Title</i>	<i>When Offered</i>
SB710	Nutrition and Public Health	Fall
SB721	Social and Behavioral Sciences for Public Health	Fall & Spring
SB730	Stress as a Public Health Problem	Summer
SB732	Nutrition, Aging, and the Elder Population	Summer
SB733	Mass Communication and Public Health	Fall
SB740	Applied Research Methods for Social Determinants of Health	Spring
SB750	Preventing Intimate Partner Violence	Spring
SB751	Sexual Violence: Prevention of Sexual Violence	Spring
SB752	Understanding Pornography: A Public Health Perspective	Fall
SB760	Health of LGBT Populations	Fall
SB780	Mental Health and Public Health: A Social and Behavioral Sciences Perspective	Fall
SB785	Alcohol, Tobacco and Other Drug Use: People, Populations, and Policies	Spring
SB800	Obesity in Society	Fall
SB806	Communications Strategies for Public Health Organizations	Spring
SB808	Merging Clinical and Population-Based Perspectives in Public Health Practice: Tension and Resolution	Alt. Summers (odd years)
SB813	Web-based Health Communication Strategies for Public Health Interventions	Spring
SB818	Qualitative Research Methods	Fall & Spring
SB820	Assessment and Planning for Health Promotion	Fall & Spring
SB821	Intervention Strategies for Health Promotion	Fall & Spring
SB822	Quantitative Methods for Program Evaluation	Fall, Spring, Summer
SB832	Trauma, Trauma-Informed Care, Recovery & Resilience	Fall beginning fall 2017
SB833	Designing and Implementing a Public Health Communications Campaign	Spring

SB860	Strategies for Public Health Advocacy	Fall
SB940	Culminating Experience in Social and Behavioral Sciences	Fall, Spring, Summer
SB941	Culminating Experience in Social and Behavioral Sciences II	Fall, Spring, Summer