

## Fall 2015

Course	Reader	Textbooks	Pre-Assignment
<b>BS704 A1, B1, C1, D1:</b> Introduction to Biostatistics	No	Essentials of Biostatistics for Public Health, 2nd Ed. (Sullivan)	No
<b>BS720 A1:</b> Introduction to R: software for statistical computing	No	<b>Optional:</b> Introductory Statistics with R (Dalgaard); Software for Data Analysis: Programming with R (Chambers)	No
<b>BS722 A1:</b> Design & Conduct of Clinical Trials	No	Fundamentals of Clinical Trials, 3rd edition (Friedman, Furberg, DeMets)	<b>In Textbook:</b> Read Chapters 1, 3 & 4; <b>On Blackboard:</b> Student Information Form, HP case - email will be sent to registered students with the information
<b>BS723 A1, B1, C1, D1:</b> Introduction to Statistical Computing	No	Instructor will email class	No
<b>BS728 A1:</b> Public Health Surveillance, A Methods Based Approach	No	No Textbook	No
<b>BS805 A1, B1:</b> Intermediate Statistical Computing and Applied Regression Analysis	No	No Textbook	No
<b>BS810 A1:</b> Meta-analysis for Public Health and Medical Research	No	No Textbook	No
<b>BS821 A1:</b> Categorical Data Analysis	No	Fundamentals of Biostatistics, 6th Edition (Rosner) ( <i>check with instructor</i> )	No
<b>BS830 A1:</b> Design and Analysis of Microarray Experiments and Next Generation Sequencing	No	No Textbook	No
<b>BS845 A1:</b> Applied Statistical Modeling and Programming with R	No	No Textbook	No
<b>BS852 A1:</b> Statistical Methods in Epidemiology	No	No Textbook	No
<b>BS854 A1:</b> Bayesian Methods in Clinical Trials	No	No Textbook	No

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<b>BS858 A1:</b> Statistical Genetics	No	<b>Optional:</b> 1. Statistical Methods in Genetic Epidemiology (Thomas), 2. Genetic Analysis of Complex Disease (Haines)	No
<b>BS861 A1:</b> Applied Statistics in Clinical Trials II	No	No Textbook	No
<b>EH710 A1:</b> Physiologic Principles in Public health	No	Vander's Human Physiology 13E (Widmaier), ISBN. <b>For further information please see course Blackboard site.</b>	Vander Text Chapters 1, 2, Chapter 3 (3.1-3.3)
<b>EH717 A1, B1, C1, D1:</b> Introduction to Environmental Health	No	Understanding Environmental Health: How We Live in the World, 2nd Ed. (Maxwell NI)	Will Be Posted to Blackboard Site
<b>EH725 A1:</b> Analytical Methods in Environmental Health	No	Instructor will email class	Instructor will email class
<b>EH745 A1:</b> Wastewater & Health/ Sustainable Sanitation	No	No Textbook	On Blackboard
<b>EH757 A1:</b> Environmental Epidemiology	No	No Textbook	Will be posted to Black board
<b>EH811 A1:</b> Geographic Information Systems (GIS) in Public Health	No	<b>Optional:</b> Getting to Know ArcGIS desktop, 3rd Edition (Tim Ormsby)	No
<b>EH840 A1:</b> Advanced and Emerging Topics in Toxicology	No	No Textbook	Reading for Topics 1 & 2
<b>EH914 A1:</b> Doctoral Seminar in Environmental Health	No	No Textbook	No
<b>EP713 A1:</b> Introduction to Epidemiology	No	No Textbook	<b>Section A1:</b> See Blackboard for EP713 A1. Read the online Syllabus; read the online modules on Evolution of Epidemiology and Public Health. Read the online module on Surveillance. Submit the first discussion to Blackboard.

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<b>EP713 B1, C1, D1, E1:</b> Introduction to Epidemiology	No	Essentials of Epidemiology in Public Health, 3rd Edition (Aschengrau & Seage)	<b>Section B1:</b> Textbook: Ch. 1 & 4; <b>Section C1:</b> No Pre-Assignment; <b>Section D1:</b> No Pre-Assignment; <b>Section E1:</b> Instructor will email class.
<b>EP721 A1:</b> Survey Methods for Public Health	No	<b>4 Required:</b> 1. Survey Research Methods, Volume 1 (FJ Fowler), 2. The Science of Self-Report (Stone, A. et al), 3. Standardized Survey Interviewing (Fowler & Mangione), 4. Introduction to Survey Sampling (G Kalton).	No
<b>EP748 A1:</b> Drug Epidemiology	No	No Textbook	Class 1 readings on Blackboard
<b>EP751 A1:</b> Cardiovascular Epidemiology	No	No Textbook	No
<b>EP755 A1:</b> Infectious Disease Epidemiology	Yes	No Textbook	Reading as listed in syllabus
<b>EP759 A1:</b> Reproductive Epidemiology	No	No Textbook	No
<b>EP763 A1:</b> Genetic Epidemiology	No	No Textbook	No
<b>EP764 A1:</b> The Epidemiology of HIV/AIDS in the Developed and Developing Worlds	No	No Textbook	No

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<b>EP784 A1:</b> The Epidemiology of Tuberculosis in the Developed and Developing Worlds	No	No Textbook	No
<b>EP800 A1:</b> Microbes and Methods: Selected Topics in Outbreak Investigation	Yes	No Textbook	No
<b>EP813 A1:</b> Intermediate Epidemiology	Yes	<i>Check with instructor</i>	No
<b>EP850 A1:</b> Applications of Intermediate Epidemiology	No	Check Blackboard	No
<b>EP854 A1:</b> Advanced Epidemiology	No	Modern Epidemiology, 3rd Edition (Rothman, Greenland, Lash)	<b>In Textbook:</b> Chapter 3 (especially pp. 34-40, 46-49, Chapter 4 (especially pp. 51-55, 69)
<b>EP857 A1:</b> Design and Conduct of Cohort Studies	No	No Textbook	No
<b>EP858 A1:</b> Design and Conduct of Case Control Studies	No	Modern Epidemiology, 3rd Edition (Rothman, Greenland, Lash)	No
<b>GH702 A1, B1:</b> Skills in Critical Analysis and Evidence-Based Writing for Public Health Professionals	No	No Textbook	No
<b>GH703 A1:</b> Global Public Health: History, Approaches, and Practices	No	No Textbook	No
<b>GH704 A1:</b> International Public Health and Medical Care: Asystems Approach	No	No Textbook	Survey assignment for first session
<b>GH715 A1:</b> Antiretroviral Program Management and Adherence Issues in Low-Resource Settings	Instructor will email class	Instructor will email class	Instructor will email class

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<b>GH720 A1, B1:</b> Social & Behavioral Sciences in International Health	No	<b>B1:</b> Health Behavior Theory For Public Health: Principles, Foundations, and Applications (DiClemente)	Instructor will email class
<b>GH735 A1:</b> Gender, Sexuality, Power & Inequity in International Health	No	No Textbook	No
<b>GH743 A1:</b> Implementing Health Programs in Developing Countries: Making Programs Work	No	No Textbook	No
<b>GH745 A1:</b> Monitoring & Evaluation of IH Programs	No	Real World Evaluation: Working Under Budget, Time, Data and Political Constraints (Bamberger et.al., 2012)	Instructor will email class.
<b>GH756 A1:</b> Analytical Methods for Pharmaceutical Systems Assessment	No	No Textbook	No
<b>GH762 A1:</b> Essentials of Economics and Financing for Global Health	No	No Textbook	No
<b>GH766 A1:</b> Sexual and Reproductive Health in Disaster Settings	No	No Textbook	No
<b>GH773 A1:</b> Financial Management in Global Health	No	No Textbook	Check Blackboard
<b>GH777 A1:</b> Culminating Experience Seminar	No	Instructor will email class	Instructor will email class
<b>GH795 A1:</b> Global AIDS Epidemic: Social & Economic Determinants, Impact & Responses	No	No Textbook	Class 1 Readings
<b>GH811 A1:</b> Applied Research Methods in Global Health	No	Instructor will email class	Instructor will email class

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<b>GH854 A1:</b> From Data to Dashboards: Building Excel Skills to Support Health Program Decisions	No	<b>2 Required:</b> 1. Excel Dashboards and Reports, 2nd Edition (Alexander & Walkenbac) 2. Microsoft Excel 2010: Data Analysis and Business Modeling (Winston)	On Blackboard
<b>GH885 A1:</b> Global Trade, Intellectual Property and Public Health	No	No Textbook	No
<b>GH887 A1:</b> Planning and Managing MCH Programs in Developing Countries (emphasis on child health)	No	No Textbook	No
<b>LW719 A1, B1, C1:</b> Essentials of Public Health Law	No	No Textbook	Read through syllabus and class 1 readings.
<b>LW725 A1:</b> Ethical Issues in Medicine and Public Health	No	Intervention & Reflection: Basic Issues in Medical Ethics, 9th Ed. (Munson)	Read syllabus and all assignments for Week 1; fill out student info sheet; prepare a 1-2 page response to questions on BB
<b>LW740 A1:</b> Health & Human Rights	No	Health and Human Rights in a Changing World (Grodin, Tarantola, Annas, & Gruskin)	Read syllabus and all assignments for Week 1; fill out student info sheet
<b>LW751 A1:</b> Public Health Law	Yes	No Textbook	Read syllabus and all assignments for Week 1
<b>MC725 A1:</b> Women, Children and Adolescents: Public Health Approaches	No	Random Family (LeBlanc)	Read Random Family
<b>MC759 A1:</b> Perinatal Epidemiology	No	No Textbook	No
<b>MC775 A1:</b> Health Disparities & Vulnerable Populations	No	No Textbook	No

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<b>MC786 A1:</b> Immigrant Family Health: Public Health Across Borders	No	No Textbook	The Spirit Catches You and You Fall Down (Fadiman)
<b>MC802:</b> Leading Community Health Initiatives: Medicine and Public Health as Partners	No	<b>Required:</b> Leading for Results: Five Practices to Use in Your Personal and Professional Life (Bragar)	No
<b>MC820:</b> MCH Program Planning, Implementation, and Management	No	<b>Two Required:</b> 1. Essentials of Management and Leadership in Public Health (Burke & Friedman); 2. Mistakes I Made at Work (Bacal)	Please read: Mistakes I Made at Work: 25 Influential Women Reflect on What They Got Out of Getting It Wrong. Ed. J. Bacal, Plume, New York, New York. 2014
<b>MC840:</b> Women and Health Policy: Gender, Evidence, and Politics	No	No Textbook	Class 1 Readings
<b>PH510 A1, B1:</b> Introduction to Public Health	No	Introduction to Public Health (Schneider)	Class 1 Readings (Blackboard)
<b>PH709 A1:</b> The Biology of Public Health	No	No Textbook	No
<b>PH740 A1:</b> Pharmaceuticals in Public Health: An Introductory Course	No	No Textbook	No
<b>PH825 A1:</b> Human and Environmental Factors Influencing the Emergence and Re- Emergence of Infectious Diseases	No	Analysis of Emerging Infections Using the One Health Approach: CREATE- Chapters from Microbiology, A Systems Approach (Cowan, 2015)	<b>In Textbook:</b> CREATE Cowan Text: Chapter iii: Microbe Human Interactions: Infection and Disease 59-97 ; <b>On Blackboard:</b> 1. Morens DM, Folkers GK, Fauci AS. The challenge of emerging and re-emerging infectious diseases. Nature 2004;430:242-249. 2. Gibbs, E. P. (2014). The evolution of One Health: a decade of progress and challenges for the future. Vet Rec 174(4): 85-91. 3. Esteve-Gassent MD, et. al. Pathogenic Landscape of Transboundary Zoonotic Diseases in the Mexico-US Border Along the Rio Grande. Front Public Health. 2014 Nov 17;2:177.

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<b>PH842 A1:</b> Research Theory & Design	No	<b>Required:</b> Introduction to social research: quantitative & qualitative approaches (3rd edition, Punch); <b>Optional:</b> Experimental and Quasi-Experimental Designs for Generalized Causal Inference (Shadish, Cook, and Campbell).	<b>Textbook:</b> Read Chapters 1 & 2 of Punch text; <b>Blackboard:</b> Class 1 readings.
<b>PH851 A1:</b> Needs Assessment	No	Planning Health Promotion Programs: An Intervention Mapping Approach, 3rd Edition (Bartholomew)	No
<b>PH856 A1:</b> Health Law & Ethics for Public Health Leaders	No	Public Health Ethics: Theory, Policy & Practice (Bayer et al)	Class 1 Readings
<b>PH857 A1:</b> Health Economics & Financial Management for Public Health	Yes	<b>Required:</b> 1.Intro. To Health Economics, 2nd Ed. (Guinness et al)	Introduction and Chapters 1-2, pp. 1-34.
<b>PH858 A1:</b> Health Economics & Financial Management for Public Health	No	<b>Two Required:</b> 1.Intro. To Health Economics, 2nd Ed. (Guinness et al), 2.Health Behavior Theory for Public Health: Principles, Foundations and Applications	The Case Study Handbook pp 1-101; pp183-253
<b>PH866 A1:</b> Public Health Leadership Seminar	No	No Textbook	No
<b>PM702 A1, B1, C1:</b> Introduction to U.S. Health Policy, Delivery & Management	No	<b>A1:</b> No; <b>B1, C1:</b> Understanding Health Policy, 6th Edition (Bodenheimer) <i>-Electronic Copy Available through BU Library-</i>	<b>B1:</b> Class 1 Readings: Readings and a pre-class quiz due at 12 noon on day of first class.
<b>PM721 A1 &amp; B1:</b> Organizational Behavior & Health Management	No	Reframing Organizations (Bolman & Deal)	<b>A1:</b> Chapter 1; Check Blackboard.; <b>B1:</b> No
<b>PM736 A1:</b> Human Resource Management	No	<b>Two Required:</b> 1. Getting to Yes: Negotiating Agreement Without Giving In, 3rd. Ed. (Fisher, Ury & Rattton), 2. The Healthcare Manager's Human Resources Handbook, 2nd Ed. (McConnell).	No
<b>PM755 A1:</b> The Shape of Healthcare Delivery	No	No Textbook	Instructor will email class



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<b>PM758 A1:</b> Introduction to Mental Health Services	<i>Class meets 10/28-12/16</i> Contact Instructor:	Contact Instructor: ken@nami.org	Contact Instructor: ken@nami.org
<b>PM776 A1:</b> Managerial Skills for Problem Solving	No	Check Blackboard	Instructor will email class
<b>PM780 A1:</b> Managerial Accounting for Healthcare Leaders	No	Instructor will email class	Instructor will email class
<b>PM802 A1:</b> Pharmaceutical Management, Policy and Practice in the 21st Century: A Case Study Approach	No	No Textbook	No
<b>PM804 A1:</b> Digital Disruption in Health: The Effects of Health Information Technologies on Policies, Delivery, Patient Engagement, and Health Outcomes	No	<b>Two Required:</b> 1. The Digital Doctor: Hope, Hype, and Harm at the Dawn of Medicine's Computer Age, by Robert Wachter; 2. Health Informatics: Practical Guide for Healthcare and Information Technology Professionals (Sixth Edition), by Robert E. Hoyt (Editor), Ann K. Yoshihashi	Instructor will email class
<b>PM814 A1:</b> Contemporary Theoretical and Empirical Issues in Health Services Research	No	No Textbook	No
<b>PM824 A1:</b> Theory and Research on Organizations	No	Check Blackboard	No
<b>PM827 A1:</b> Strategic Management of Healthcare Organizations	No	Case in Point: Complete Case Interview Preparation, 8th Ed. (Coesentino)	No
<b>PM832 A1:</b> Operations Management in Healthcare	No	No Textbook	No
<b>PM833 A1:</b> Health Economics	No	Health Economics: Theories, Insights, and Industry Studies (Santerre, Neun)	Chapter 1, Appendix pp. 21-28
<b>PM834 A1:</b> Health Regulation and Planning	No	No Textbook	No

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<b>PM837 A1:</b> Evaluating Health Care Quality	No	No Textbook	Class 1 Readings
<b>PM840 A1:</b> Analysis of Current Health Policy Issues	No	No Textbook	Will be emailed to class
<b>PM850 A1:</b> Organizing for Health System Change	No	No Textbook	Class 1 Readings
<b>SB710 A1:</b> Nutrition and Public Health	No	Eat, Drink & Be Healthy (Willett)	No
<b>SB721 A1, D1:</b> Social and Behavioral Sciences for Public Health	Yes	Predictably Irrational: The Hidden Forces That Shape Our Decisions (Ariely)	No
<b>SB721 B1:</b> Social and Behavioral Sciences for Public Health	No	Essentials of Health Behavior. Social and Behavioral Theory in Public Health, 2nd Ed. (Edberg)	Class 1 Readings
<b>SB721 C1:</b> Social and Behavioral Sciences for Public Health	No	Essentials of Health Behavior. Social and Behavioral Theory in Public Health, 2nd Ed. (Edberg)	Class 1 Readings
<b>SB733 A1:</b> Mass Communication and Public Health	Instructor will email students	Instructor will email class	Instructor will email class
<b>SB752 A1:</b> Understanding Pornography: A Public Health Perspective	Yes	No Textbook	No
<b>SB760 A1:</b> Health of LGBT Populations	No	No Textbook	No
<b>SB780 A1:</b> Mental Health & Public Health: A Social and Behavioral Sciences Perspective	No	<b>Required:</b> Population Mental Health: Evidence, Policy, and Public Health Practice (Chen & Galea); <b>Optional:</b> Foundations of Mental Health Promotion (1st ed, Sharma, M., Atri, A., & Branscum, P).	Cohen & Galea Chapters 1 and 2

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<b>SB800 A1:</b> The Obesity Epidemic: Moving from Individual and Environmental and Policy Approaches for Promoting Physical Activity and Healthy Eating	No	Instructor will email class	Instructor will email class
<b>SB818 A1:</b> Qualitative Research Methods	No	Qualitative Research & Evaluation Methods, 4th Ed. (Quinn Patton)	<b>In Textbook:</b> Chapter 1, Chapter 2, Chapter 3
<b>SB820 A1:</b> Assessment and Planning for Health Promotion	No	No Textbook	No
<b>SB821 A1:</b> Intervention Strategies for Health Promotion	No	Planning Health Promotion Programs: An Intervention Mapping Approach (Bartholomew)	No
<b>SB822 A1, B1:</b> Quantitative Methods for Program Evaluation	No	Instructor will email class	Instructor will email class
<b>SB860 A1:</b> Strategies for Public Health Advocacy	No	No Textbook	No