

**PhD in Health Economics and Policy
Curriculum 2009-10**

First Year: Both Applied Economics and Economic Evaluation Concentrations

First Term

140.651	Methods in Biostatistics I (4)
300.711	Health Policy I: Social and Economic Determinants of Health (3)
300.721	Health Policy I: PhD Lab (1)
313.670	Mathematical Microeconomics I (3)
313.861	Public Health Economics Seminar (1)
340.601	Principles of Epidemiology (5)
xxx.xxx	Academic Ethics Module (n/c)
xxx.xxx	Introduction to On-line Learning (n/c)

Second Term

140.651	Methods in Biostatistics II (4)
300.711	Health Policy II: Public Health Policy Formation (3)
300.722	Health Policy II: PhD Lab (1)
313.641	Health Economics (4)
313.671	Mathematical Microeconomics II (3)
313.861	Public Health Economics Seminar (1)
300.700	TA Orientation Seminar (1)

Third Term

140.653	Methods in Biostatistics III (4)
300.700	TA Orientation Seminar (1)
300.711	Health Policy III: Research and Evaluation Methods for Health Policy (4)
313.630	Concepts and Applications in Economic Evaluation I (3)
313.861	Public Health Economics Seminar (1)
xxx.xxx	Electives (3)

Fourth Term

140.654	Methods in Biostatistics IV (4)
300.704	First Year PhD Capstone (1)
300.714	Health Policy IV: Health Policy Analysis and Synthesis (3)
300.724	Health Policy IV: PhD Lab (1)
313.631	Concepts and Applications in Economic Evaluation II (3)
313.861	Public Health Economics Seminar (1)
xxx.xxx	Electives (3)

Second Year: Applied Economics Concentration

Pre-First Term

180.000 Math Camp for First-Year Graduate Students

First Term

180.601 Microeconomic Theory I (3)
180.615 Mathematical Methods in Economics I (3)
180.636 Statistical Inference (3)
313.653 Microeconomic Models in Public Health I (2)
313.861 Public Health Economics Seminar (1)
550.865 Public Health Perspectives on Research I (1)
xxx.xxx Electives and/or Special Studies (3)

Second Term

300.870 Research and Proposal Writing I (2)
180.601 Microeconomic Theory I (3)
180.615 Mathematical Methods in Economics I (3)
180.636 Statistical Inference (3)
313.653 Microeconomic Models in Public Health II (2)
313.861 Public Health Economics Seminar (1)
550.865 Public Health Perspectives on Research II (1)
xxx.xxx Electives and/or Special Studies (2)

Third Term

180.602 Microeconomic Theory II (3)
180.616 Mathematical Methods in Economics II (3)
180.633 Econometrics (3)
313.653 Microeconomic Models in Public Health III (2)
313.861 Public Health Economics Seminar (1)
306.665 Research Ethics and Integrity (3)

Recommended

300.750 Teaching at the University Level (3), optional

Fourth Term

300.870 Research and Proposal Writing II (2)
180.602 Microeconomic Theory II (3)
180.616 Mathematical Methods in Economics II (3)

180.633	Econometrics (3)
221.644	Econometric Methods for Evaluation of Health Programs (4)
313.653	Microeconomic Models in Public Health IV (2)
313.861	Public Health Economics Seminar (1)

Second Year: Economic Evaluation Concentration

First Term

140.646	Essentials of Probability & Statistical Inference I: Probability (3)
313.653	Microeconomic Models in Public Health I (2)
313.861	Public Health Economics Seminar (1)
340.620	Principles of Clinical Epidemiology (2)
340.645	Introduction to Clinical Trials (3)
550.865	Public Health Perspectives on Research I (1)
xxx.xxx	Electives and/or Special Studies (4)

Second Term

300.870	Research and Proposal Writing I (2)
140.647	Essentials of Probability & Statistical Inference II: Statistical Inference (3)
313.653	Microeconomic Models in Public Health II (2)
313.861	Public Health Economics Seminar (1)
340.717	Health Survey Research Methods (4)
550.865	Public Health Perspectives on Research II (1)
xxx.xxx	Electives and/or Special Studies (3)

Third Term

140.648	Essentials of Probability & Statistical Inference III: Theory of Modern Methods (3)
313.653	Microeconomic Models in Public Health III (2)
313.861	Public Health Economics Seminar (1)
340.606	Systematic Reviews and Meta-Analysis (5)
340.608	Observational Epidemiology (4)
306.665	Research Ethics and Integrity (3)

Recommended

300.750	Teaching at the University Level (3), optional
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Fourth Term

300.870	Research and Proposal Writing II (2)
140.649	Essentials of Probability & Statistical Inference IV: Nonparametric

	Approaches (3)
221.644	Econometric Methods for Evaluation of Health Programs (4)
313.653	Microeconomic Models in Public Health IV (2)
313.861	Public Health Economics Seminar (1)
340.677	Infectious Disease Dynamics: Theoretical Computational Approaches (3)
xxx.xxx	Electives and/or Special Studies (2)

Notes:

Empirical Methods Courses (recommended):

140.641	Survival Analysis
140.655	Analysis of Longitudinal Data
140.656	Multilevel Statistical Models in Public Health
140.664	Causal Inference in Medicine and Public Health
140.665	Experimental & Non-Experimental Designs for Causal Effects
309.715	Advanced Methods in Health Services Research: Design

Applied Economics Courses (recommended):

180.611	Economics of Uncertainty
180.612	Economics of Information
180.618	Game Theory & Economic Behavior
180.651	Labor Economics
180.671	Industrial Organization I
180.672	Industrial Organization II

Economic Evaluation Courses (recommended):

309.715	Advanced Methods in Health Services Research: Research Design
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Topical Courses (recommended):

300.651	Introduction to the US Healthcare System
309.620	Managed Care and Health Insurance (3)
309.712	Assessing Health Status and Outcomes
311.615	Quality of Medical Care

Students take a comprehensive written exam in health economics at the conclusion of their second year.

Third Year and Beyond:

Once students have completed all of the required and elective coursework, they must maintain a full-time registration for the duration of their program. The definition of full-time registration requires each student to be registered for at least 12 credits each term. Students who have not yet passed the school-wide oral exam should register for 12 credits of special studies (300.840) with their advisor to work on their dissertation proposal; once a student has passed the school-wide oral exam, they should register for dissertation research credits, 300.820.