

*PhD in Health Economics
Program Curriculum 2011/12*

Both Applied Economics and Economic Evaluation Concentrations

AY 2011/12 Summer Term

xxx.xxx Introduction to On-line Learning (n/c)

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 (4)
313.861 Public Health Economics Seminar (1)
340.601 Principles of Epidemiology (5)
xxx.xxx Academic Ethics Module (n/c)

Second Term

140.652 Methods in Biostatistics II (4)
300.700 TA Orientation Seminar (1)
300.651 Introduction to the US Healthcare System (4)
300.712 Health Policy II: Public Health Policy Formation (3)
300.722 Health Policy II: PhD Lab (1)
313.641 Health Economics I (3)
313.790.81 Economic Evaluation I (3)
313.861 Public Health Economics Seminar (1)

Third Term

140.653 Methods in Biostatistics III (4)
300.713 Research and Evaluation Methods for Health Policy (4)
313.631 Economic Evaluation II (4)
313.644 Health Economics II (3)
313.861 Public Health Economics Seminar (1)

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)

- 313.632 Economic Evaluation III (3)
313.861 Public Health Economics Seminar (1)

Applied Economics Concentration

AY 2012/13 Summer

- 180.000 Math Camp for First-Year Graduate Students
<http://www.econ.jhu.edu/grad-courses.html>

First Term

- 180.601 Microeconomic Theory I (3) (Homewood)
180.615 Mathematical Methods in Economics I (3) (Homewood)
180.636 Statistical Inference (3) (Homewood)
309.716 Advanced Methods in Health Services Research: Analysis
313.653 Microeconomic Models in Public Health I (2)
313.861 Public Health Economics Seminar (1)

Second Term

- 180.601 Microeconomic Theory I (2) (Homewood)
180.615 Mathematical Methods in Economics I (2) (Homewood)
180.636 Statistical Inference (2) (Homewood)
300.870 Research and Proposal Writing I (2)
309.715 Advanced Methods in Health Services Research: Research Design (4)
313.654 Microeconomic Models in Public Health II (2)
313.861 Public Health Economics Seminar (1)
550.865.81 Public Health Perspectives on Research (2)

Third Term

- 140.664 Causal Inference in Medicine and Public Health (4)
180.602 Microeconomic Theory II (3) (Homewood)
180.633 Econometrics (3) (Homewood)
306.665 Research Ethics and Integrity (3)
313.655 Microeconomic Models in Public Health III (2)
313.861 Public Health Economics Seminar (1)

Fourth Term

- 180.602 Microeconomic Theory II (2) (Homewood)
180.633 Econometrics (2) (Homewood)
221.644 Econometric Methods for Evaluation of Health Programs (4)

- 300.870 Research and Proposal Writing II (2)
- 313.656 Microeconomic Models in Public Health IV (2)
- 313.861 Public Health Economics Seminar (1)

Economic Evaluation Concentration

2012/13 First Term

- 309.716 Advanced Methods in Health Services Research: Analysis (3)
- 313.653 Microeconomic Models in Public Health I (2)
- 313.861 Public Health Economics Seminar (1)
- xxx.xxx Methods Electives and/or Special Studies credits

Second Term

- 300.870 Research and Proposal Writing I (2)
- 309.715 Advanced Methods in Health Services Research: Research Design (4)
- 313.654 Microeconomic Models in Public Health II (2)
- 313.861 Public Health Economics Seminar (1)
- 340.608 Observational Epidemiology (4)
- 550.865.81 Public Health Perspectives on Research (2)
- xxx.xxx Methods Electives and/or Special Studies credits

Third Term

- 140.664 Causal Inference in Medicine and Public Health (4)
- 306.665 Research Ethics and Integrity (3)
- 313.655 Microeconomic Models in Public Health III (2)
- 313.861 Public Health Economics Seminar (1)
- 340.606 Systematic Reviews and Meta-Analysis (5)
- xxx.xxx Methods Electives and/or Special Studies credits

Fourth Term

- 221.644 Econometric Methods for Evaluation of Health Programs (4)
- 300.870 Research and Proposal Writing II (2)
- 313.656 Microeconomic Models in Public Health IV (2)
- 313.861 Public Health Economics Seminar (1)
- xxx.xxx Methods Electives and/or Special Studies credits

Students in the Economic Evaluation concentration are required to take at least 12 credits during their second year from the following empirical methods courses in the Biostatistics Department:

140.641	Survival Analysis
140.646	Essentials of Probability & Statistical Inference I: Probability
140.647	Essentials of Probability & Statistical Inference II: Statistical Inference
140.648	Essentials of Probability & Statistical Inference III: Theory of Modern Methods
140.649	Essentials of Probability & Statistical Inference IV: Non Parametric Approaches
140.655	Analysis of Longitudinal Data
140.656	Multilevel Statistical Models in Public Health
140.665	Experimental & Non-Experimental Designs for Causality

Note: All students are encouraged to choose from the following courses for their elective options:

Health Economics Courses (recommended):

313.687	Obesity Economics
330.606	Economics of Mental Health and Substance Use Disorders
380.658	Economics of Gender and Family
380.756	Poverty, Economic Development, and Health

Applied Economics Courses (recommended):

180.611	Economics of Uncertainty (Homewood)
180.612	Economics of Information (Homewood)
180.618	Game Theory & Economic Behavior (Homewood)
180.637	Microeconometrics I (Homewood)
180.651	Labor Economics (Homewood)
180.671	Industrial Organization I (Homewood)

Economic Evaluation Courses (recommended):

221.647	Comparative Evaluation for Health Policy in International Health
309.712	Assessing Health Status and Outcomes
311.615	Quality of Medical Care
340.606	Systematic Reviews and Meta-Analysis
340.620	Principles of Clinical Epidemiology
340.645	Introduction to Clinical Trials
340.677	Infectious Disease Dynamics: Theoretical Computational Approaches

Students take comprehensive written and oral exams in health economics at the conclusion of their second year.

2013/14 and Beyond:

Once students have completed all of the required and elective coursework, they must maintain

a full-time registration (12+ credits per term) for the duration of their program. 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.