

IDI PhD program coursework requirement and recommended electives courses

The following minimum core graduate courses, or their equivalent, are required of all students in the Graduate Group. These courses should be taken before the Qualifying Examination Committee is appointed, and the student must receive a “B” or higher grade average in these courses, except seminars that may be taken on a S/U basis.

Group I: Infectious Diseases (2 courses)

PH 260A Principles of Infectious Disease, Part I (4 units); Riley
& Swartzberg **and** one of the following:

PH 260B Principles of Infectious Disease, Part II (4 units); Swartzberg
PH 262 Molecular Basis of Bacterial Pathogenesis (3 units); Portnoy
PH 265 Molecular Parasitology (3 units); Harris
PH 266B Zoonotic Diseases (2 units) Dailey

Group II: Immunology (1 course)

PH 263 Public Health Immunology (3 units) Stanley or:
MCB 250 Advanced Immunology (4 units); Raulet/Robey/Shastri

Group III: Epidemiology and Biostatistics (2 courses)

PH 145 Statistical Analysis of Continuous-Outcome
Data (4 units) or:
PH 245 Introduction to Multivariate Statistics (4 units)

PH 253B* Epidemiology and Control of Infectious Diseases (3
units); Reingold or:
PH 260E Molecular Epidemiology (3 units); Riley

***Note: IDI PhD students without an epidemiology background are strongly encouraged to read more about Epidemiology and/or take 250A prior to taking PH 253B**

Group IV: Research (2 courses)

PH 293 IDI Monday Doctoral Seminar (1 unit), required every semester & IDI Wed
Doctoral Seminar (2 units) for pre-QE students, others are welcome.

In addition to the required courses listed above, students will elect at least a few additional course work appropriate to the student’s area of research interest with the guidance of the Graduate Advisor and other faculty.

Examples for electives:

PH 250A Epidemiologic Methods I (4 units)
MCB 210 Molecular & Cell Biology (4 units) Rio
PH 266A Foodborne Diseases (2 units); Lu
PH 260F Infectious Disease Research in Developing countries (3 units); Harris
PH 266B Zoonotic Diseases (2 units); Dailey
PMB 200B Genomics and Computational Biology (1.5 units) Brenner
PH 275 Current Topics in Vaccinology (3 units); Riley
MCB 230 Advanced Cell Biology (4 units); Bilder MCB
259J Immune Evasion by Viruses (2 units); Coscoy