

First Year PhD Students*

Recommended Curriculum, 2011-12

August

Introduction to Biomedical Sciences (260.600), 4 credits)**

1st term

Advanced Methods in Biostatistics I (140.751, 3 credits)

Probability Theory I (550.620, 3 credits) (*at Homewood campus*) or Real Analysis (110.405, 3 credits)** (*at Homewood campus*)

Statistical Computing (140.776, 3 credits)

Principles of Epidemiology (340.601, 5 credits)

Special Studies (140.840)

2nd term

Advanced Methods in Biostatistics II (140.752, 3 credits)

Probability Theory I (550.620, 3 credits) (*at Homewood campus*) or Real Analysis (110.405, 3 credits)** (*at Homewood campus*)

Public Health Perspectives on Research (550.865, 2 credits)***

Electives

Special Studies (140.840)

3rd term

Advanced Methods in Biostatistics III (140.753, 3 credits)

Introduction to Statistical Theory I (140.673, 4 credits)

Probability Theory II (550.621, 4 credits) (*at Homewood campus*)****

Electives

Special Studies (140.840)

4th term

Advanced Methods in Biostatistics IV (140.754, 3 credits)

Introduction to Statistical Theory I (140.674, 4 credits)

Probability Theory II (550.621, 4 credits) (*at Homewood campus*)****

Electives

Special Studies (140.840)

* Students with only limited exposure to statistics may want to consider taking the first year of the ScM curriculum and deferring the PhD curriculum until their second year. Students who opt for this route would have to also successfully complete the ScM qualifying exam.

**The credits of this course count toward the first term.

*** Students who have earned an MPH from a domestic university within the last 10 years may waive this requirement.

**** If Probability I taken in terms 1 and 2.

NOTES:

Courses at the Homewood campus do not start until Monday, August 29, 2011.

Students must enroll for a minimum of 16 credits per term. The 16 credits can be reached by enrolling for special studies credit (140.840). These special studies must have a clearly defined objective.

By the end of the first year, students **MUST** have earned 12 credits in non-Biostatistics courses. Real Analysis and Probability Theory I-II do not count. Principles of Epidemiology and Introduction to Biomedical Sciences count toward this requirement. Special studies courses in another department do not count toward this requirement.

All students are expected to obtain training in the statistics/science interface (see attached).

All students must attend Wednesday's Biostatistics seminar series

There will be a qualifying exam (4 hour in-class exam and 3-day take home data analysis project) during the first week of June at the end of the 1st year.