

CURRICULUM FOR STUDENTS ENTERING THE DEPARTMENT OF INFECTIOUS DISEASES PH.D. PROGRAM

Semester 1

Immunology (CBIO/IDIS 6100; 3 cr.)
Biochemistry (BCMB 8010; 4 cr.)
Infectious Diseases Seminar (IDIS 8160; 1 cr.)
Journal Club-Immunology (IDIS 8550; 1 cr.)
Research (IDIS 9000; 3 cr.)

Semester 2

Advanced Infectious Diseases (IDIS 8010; 4 cr.)
Elective from list below
Research Ethics (GENE 8650; 1 cr.)
Infectious Diseases Seminar (IDIS 8160; 1 cr.)
Journal Club-Disease Intervention (IDIS 8590; 1 cr.)
Research (IDIS 9000; 1-2 cr.)

Semester 3

Introductory Biostatistics I (BIOS 7010; 3 cr.) (or POPH 8310 Population Health Medical Statistics, offered summer semester odd years)
Either: Nucleic Acids (GENE 8920; 3 cr) or Molecular Cell Biology (CBIO 8010; 3 cr.)
Infectious Diseases Seminar (IDIS 8160; 1 cr.)
Journal Club-Bacteriology (IDIS 8540; 1cr.)
Research (IDIS 9000; 3 cr.)

Semester 4

Elective from list below
Infectious Diseases Seminar (IDIS 8160; 1 cr.)
Journal Club-Parasitology (IDIS 8250; 1 cr.)
Graduate Research-in-Progress (IDIS 8170; 1 cr.)
Research (IDIS 9000)

Each Summer, until matriculation

Research (IDIS 9000; 1-9 cr.)

Subsequent semesters, until matriculation

Infectious Diseases Seminar (IDIS 8160; 1 cr.)
Journal Club of your choice (1 cr.)
Graduate Research In Progress (IDIS 8170; 1 cr.)
Research (IDIS 9000; 1-9 cr.)

Dissertation (IDIS 9300; 3 cr., only in the final semester of study)

Elective Courses

BCMB 8020, Advanced Biochemistry, offered every year spring semester
 BIOS 7020, Introductory Biostatistics II, offered every year spring semester
 CBIO 8010, Molecular Cell Biology, offered every year fall semester
 CBIO 8080, Scientific Communication Skills in Cellular Biology (Biomedical Grant Writing) offered every year spring semester
 CBIO 8100, Advanced Immunology I, offered every odd year spring semester
 CBIO 8400, Advanced Cell Biology, offered every odd year spring semester
 CBIO 8500, Biology of Parasitism, offered every odd year spring semester
 GENE 8920, Nucleic Acids, offered every year fall semester
 GENE 8930, Advanced Molecular Genetics, offered every year spring semester
 IDIS 6450, Microbial Genetics and Genomics, offered every fall semester semester
 IDIS 8030, Helminthology, offered every odd year spring semester
 IDIS 8150, Viral Pathogenesis, every even year fall semester
 IDIS 8080L, Advanced Molecular Techniques, offered every even maymester
 IDIS 8300, Advanced Immunology II, offered every even year spring semester
 IDIS 8350, Principles and Research Applications of Flow Cytometry, offered odd years spring IDIS 8591, Advanced Virology, offered every spring semester
 MIBO/POPH 4650/6650, Viral Zoonoses, offered every year fall semester
 POPH 7060, Avian Diagnostic Microbiology, offered every year spring semester
 POPH 8050, Avian Virus Diseases, offered every year fall semester
 POPH 8310L, Population Health Statistics I, offered every odd year summer semester
 POPH 8320L, Population Health Statistics II, offered every odd year fall semester
 VPAT 8020, Cellular Pathology, not offered on a regular basis

Year	Fall	Spring	Summer/Maymester
Every	IDIS 6450, POPH 8050, MIBO/POPH 4650/6650, GENE 8920, CBIO 8010,	IDIS 8591, POPH 7060, BIOS 7020, GENE 8930, BCMB 8020, CBIO 8080	
Even	IDIS 8150,	IDIS 8300, POPH 7060,	IDIS 8080L
Odd	POPH 8320L,	CBIO 8100, IDIS 8030, POPH 7060, CBIO 8500, IDIS 8350, CBIO 8400	POPH 8310L

The following 5000 level courses may be accepted in some programs of study if approved by the student’s graduate committee. These courses do not satisfy graduate school requirements for 6000 or 8000 level courses.

Veterinary Virology, IDIS 5140, every year spring semester
 Veterinary Bacteriology/Mycology, IDIS 5130, every year fall semester
 Veterinary Parasitology, IDIS 5200, every year fall semester

