

Coursework for the 2023 Incoming Pathobiology PhD Students

FIRST YEAR			
Fall Quarter	Winter Quarter	Spring Quarter	Summer Quarter
PABIO 500 (Lab Rotation): Introduction to Pathobiology Research (required, 3 cr minimum)	PABIO 500 (Lab Rotation): Introduction to Pathobiology Research (required, 3 cr minimum)	PABIO 500 (Lab Rotation): Introduction to Pathobiology Research (required, 3 cr minimum)	UCONJ 510: Introductory Lab Based Biostatistics (required, 2 cr)
PABIO 550: Disease and Issues in Global Health (core course, 2 cr)	PABIO 552: Cell Biology of Human Pathogens and Disease (core course, 4 cr)	PABIO 536: Bioinformatics and Gene Sequence Analysis (recommended, 3 cr)	
PABIO 551: Biochemistry and Genetics of Pathogens and their Hosts (core course, 4 cr)	PABIO 553: Survival Skills for Scientific Research (core course, 2 cr)	PABIO 582: Critical Thinking and Research Design (required, take in years 1-2, 1.5 cr)	
PABIO 581: Current Literature in Pathobiology – (required, take each year for years 1-3, 1 cr)	PABIO 580: Pathobiology Seminar – (required, take until writing your dissertation, 1 cr)	PABIO 591: Minicourse, topics vary (required, take 3 different 1 cr minicourse; 2 are offered every Spring Qtr)	
IMMUN 441*: Introduction to Immunology (required, 4 cr)		HSERV 579: Structural Racism and Public Health (required, 1 cr)	
*or IMMUN 532 (Advanced Immunology, 4 cr); seek permission with instructor before taking			
SECOND YEAR			
Fall Quarter	Winter Quarter	Spring Quarter	Summer Quarter
PABIO 600: Independent Study or Research (required, variable cr)	PABIO 600: Independent Study or Research (required, variable cr)	PABIO 600: Independent Study or Research (required, variable cr)	PABIO 600: Independent Study or Research (required, 2 cr)
PABIO 581: Current Literature in Pathobiology – (required, take each year for years 1-3, 1 cr)	PABIO 580: Pathobiology Seminar – (required, take until writing your dissertation, 1 cr)	PABIO 582: Critical Thinking and Research Design – (required, take in years 1-2, 1.5 cr)	
EPI 511: Principles of Epidemiology (4 cr), or EPI 527: Vaccines (3 cr) [take one of these required courses]		PABIO 591: Minicourse, topics vary (required, take 3 different 1 cr minicourse; 2 are offered every Spring Qtr)	
THIRD YEAR and BEYOND			
Register for any other required coursework. Register for either PABIO 600 (Independent Study or Research), or after passing General Exam , PABIO 800 (Doctoral Dissertation) to a <i>minimum</i> of 10 credits total every quarter; except summer quarters, register for a <i>maximum</i> of 2 credits. Winter quarters, continue to register for PABIO 580, unless in the writing stage of your dissertation. General Exam with your PhD committee should be taken before the end of the third year.			

Additional Pathobiology Program Coursework notes:

- Two electives are required (PABIO 536 can count towards this requirement). These can be any courses, not necessarily what is on our elective list found in the Pathobiology Student Handbook.
- The courses outlined above along with Research credits (PABIO 500, PABIO 600, AND PABIO 800) will give you the necessary credits needed to graduate (90 total and 18 graded).