

## Coursework for the Incoming Pathobiology PhD Students

<b>FIRST YEAR</b>			
<b>Fall Quarter</b>	<b>Winter Quarter</b>	<b>Spring Quarter</b>	<b>Summer Quarter</b>
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			
<b>SECOND YEAR</b>			
<b>Fall Quarter</b>	<b>Winter Quarter</b>	<b>Spring Quarter</b>	<b>Summer Quarter</b>
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)	
<b>THIRD YEAR and BEYOND</b>			
Register for any other required coursework. Register for either PABIO 600 (Independent Study or Research), or after passing <b>General Exam</b> , 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. <b>General Exam</b> 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).