

**Coursework for the 2022 Incoming Pathology PhD Students**

<b>First Year (2022-2023)</b>			
<b>Autumn 2022</b>	<b>Winter 2023</b>	<b>Spring 2023</b>	<b>Summer 2023</b>
PABIO 550: Disease and Issues in Global Health - O. Soge (core course, 2 cr)	PABIO552: Cell Biology of Human Pathogens and Disease, Kevin Hybiske and Steve Polyak (core course, 4 cr)	PABIO 536: Bioinformatics and Gene Sequence Analysis, Shuyi Ma (recommended, 3 cr) [offered every year]	UCONJ 510: Introductory Lab Based Biostatistics (required, 2 cr)
PABIO 551: Biochem and Genetics of Pathogens & Their Hosts - Noah Sather and Andrew McGuire (core course, 4 cr)	PABIO 553: Survival Skills for Scientific Research, Don Sodora (core course, 2 cr)	PABIO 582: Critical Thinking and Research Design, Lorenzo Giacani (take in years 1-2, 1.5 cr)	
PABIO 581: Current Literature in Pathobiology, Jennifer Lund, (take each year in years 1-3, 1 cr)	PABIO 580: Pabio Seminar, Noah Sather (take until writing your dissertation, 1 cr)	PABIO 591: Mini-courses (take one each year in years 1-3, 1 cr), Mini-courses for 2023: Grant writing (Jairam Lingappa), Dysregulation of innate immune responses to pathogens (Adrian Piloponsky)	
Immun 441: Intro to Immunology (4 cr)*		*HSERV 579 (Structural Racism and Public Health, 1 cr) - Required course, offered AUT/WIN/SPR Quarters - recommended to be taken in your first year of the Program. Plan on registering for this course either Winter or Spring Quarter, it is not recommended to be taken during your first quarter in the program	
<b>Second Year (2023-2024)</b>			
<b>Autumn 2023</b>	<b>Winter 2024</b>	<b>Spring 2024</b>	<b>Summer 2024</b>
EPI 511: Principles of Epidemiology (4 cr) <b>or</b> EPI 527: Vaccines (3 credits)	PABIO 580: Pabio seminar (take until writing your dissertation, 1 cr)	PABIO 591: Mini-courses (take one each year in years 1-3, 1 cr)	
PABIO 581: Current Literature in Pathobiology (take each year in years 1-3, 1 cr)		PABIO 582: Critical Thinking and Research Design (take in years 1-2, 1.5 cr)	
<b>Third Year (2024-2025)</b>			
General Exam with your PhD committee should be taken before the end of year 3			

Notes: two electives are required (PABIO 536: bioinformatics can count towards this) - these can be any courses, not necessarily what is on our elective list  
 The courses outlined above along with research credits (Rotations and Doctoral Dissertation) should give you the credits that you need (90 total and 18 graded)

\* Or Immun 532 (Advance Immunology, 4 credits), seek permission with instructor before taking