	MCB 55 Plagues & Pandemics: Class Lecture Schedule 2024 2060 VLSB						
#	**Part 1**	**Intro, Immunology, Bacteria, and Parasites**		**Readings**		**Instructor**	**Module**
1	Wed	28-Aug	Class Overview_Biology Review	Diamond: Guns, Germs & Steel: Ch. 11;		Beatty	
2	Fri	30-Aug	Innate Immunity	Innate Immunity Handout		Beatty	
	Mon	2-Sep	NO CLASS – LABOR DAY			Beatty	1: Immunity/Vaccines
3	Wed	4-Sep	Adaptive Immunity	Adaptive Immunity Handout		Beatty	
4	Fri	6-Sep	Vaccines		**Quiz 1**	Beatty	
5	Mon	9-Sep	Staph aureus_Toxic Shock Syndrome			Beatty	
6	Wed	11-Sep	Tuberculosis			Beatty	2: Bacteria infections today
7	Fri	13-Sep	Antibiotic resistance and MRSA	Ventola Antibiotic Resistance Crisis 2015		Beatty	
8	Mon	16-Sep	Salmonella Pathogenic E.coli			Beatty	
9	Wed	18-Sep	Malaria			Beatty	
10	Fri	20-Sep	Malaria	First malaria vaccine rolled out in Africa_Science	**Quiz 2**	Beatty	3: Parasites
11	Mon	23-Sep	Protozoa			Beatty	
12	Wed	25-Sep	Parasitic worms	Hygiene Hypothesis and Helminths		Beatty	
13	Fri	27-Sep	Exam Review			Beatty	
	Mon	30-Sep	**Midterm I (on Part 1)**	**Midterm I in 2060 VLSB and 101 Weill Hall**		Beatty	
	Part 2	**Viruses**					
14	Wed	2-Oct	Viruses introduction	How viruses shape our world		Coscoy	
15	Fri	4-Oct	Zoonosis 1			Coscoy	
16	Mon	7-Oct	Zoonosis 2			Coscoy	
17	Wed	9-Oct	Coronaviruses 1	COVID-19— lessons for zoonotic disease, Science 2022		Coscoy	4: Zoonotic viruses
18	Fri	11-Oct	Coronaviruses 2		**Quiz 3**	Coscoy	
19	Mon	14-Oct	Rabies			Coscoy	
20	Wed	16-Oct	Ebola virus	Crisis in the hot zone - The new Yorker.pdf		Coscoy	
21	Fri	18-Oct	Arboviruses/West Nile virus	This Congolese Doctor.mp3		Coscoy	
22	Mon	21-Oct	Herpesviruses 1	CMV Is a Greater Threat to Infants Than Zika, but Far Less Often Discussed - NYT	**Quiz 4**	Coscoy	5: Forever viruses
23	Wed	23-Oct	Herpesviruses 2			Coscoy	
24	Fri	25-Oct	Hepatitis C virus			Coscoy	6: Viruses and Cancer
24	Mon	28-Oct	Hepatitis B virus	Virus therapy for cancer - Scientific American		Coscoy	
26	Wed	30-Oct	Human papilloma virus			Coscoy	
	Fri	1-Nov	**Midterm II (on Part 2)**	**Midterm II in 2060 VLSB and 101 Weill Hall**		Coscoy	
	Part 3	**More Viruses**					
27	Mon	4-Nov	Poxviruses (Smallpox and Monkeypox)			Ohainle	7: Historically-Important Viruses
28	Wed	6-Nov	Poliovirus	Barrett: Polio Endgame *Nature* (2023)		Ohainle	
29	Fri	8-Nov	Measles	Roberts: Measles Rise *Nature* (2020)		Ohainle	
	Mon	11-Nov	VETERANS DAY NO CLASS			Ohainle	
30	Mon	13-Nov	Dengue virus (and Zika)			Ohainle	
31	Wed	15-Nov	Respiratory Syncytial Virus	Karron: The Beginning of the End? *NEJM* (2023)	**Quiz 5**	Ohainle	8: The Big Ones
32	Mon	18-Nov	Influenza I: Intro	Morens: Influenza cataclysm *NEJM* (2018)		Ohainle	
33	Wed	20-Nov	Influenza II: Antigenic variation			Ohainle	
34	Fri	22-Nov	Influenza III: Zoonoses	Krammer: Eye on Avian Flu *Nature Reviews Immunology* (2023)		Ohainle	
35	Mon	25-Nov	Ancient Viruses			Ohainle	9: Viruses Within
	Wed	27-Nov	Thanksgiving- NO CLASS			Ohainle	
	Fri	29-Nov	Thanksgiving- NO CLASS			Ohainle	
36	Mon	2-Dec	HIV and AIDS I: Intro & Origins	Radiolab: The Cell That Started a Pandemic [mp3]		Ohainle	10: The Biggest One?
37	Wed	4-Dec	HIV and AIDS II: Replication & ART	Revisionist History: The Obscure Virus Club [mp3]	**Quiz 6**	Ohainle	
38	Fri	6-Dec	HIV and AIDS III: What's to Come	June: Chasing the Elusive HIV cure *NEJM* (2019)	LAST DAY OF INSTRUCTION	Ohainle	
	Wed	11-Dec	Exam review			Ohainle	
	Thurs	19-Dec	**Final Exam (on Part 3)**	**Final Exam Dec 19 7-10 pm Room TBA**		Ohainle	