Infectious Diseases & Microbiology PhD Course Plan

(based on 2021 IDM Handbook)

Please note: PhD students must take 15 credits each fall and spring semester and 6 credits each summer of their first two years to meet the 72 credit requirement to reach Full-time Dissertation Research (FTDR) status.

FIRST YEAR

Fall Term	(Students cannot take more than 15 credits in any	semeste	-)
-all Term	(Students cannot take more than 15 credits in any s	semes	ster

Course Number	Course Name	Credits
EPIDEM 2110	Principles of Epidemiology	3
IDM 2001	Molecular Biology of Microbial Pathogens	3
IDM 2003	Host Response to Microbial Infection	2
IDM 2019+	The Emergence and Global Spread of COVID-19	2
IDM 2021	Special Studies in Microbiology (Lab Rotation I)	2
IDM 2023	Microbiology Laboratory	2
IDM 2025	Microbiology Seminar	1
PUBHLT 2022	Public Health Grand Rounds	0
		TOTAL 15

+ Course is a requirement only for first-year students entering Fall 2020.

Spring Term

Course Number	Course Name	Credits
EPIDEM 2161	Methods of Infectious Disease Epidemiology	1
IDM 2002	Molecular Virology	2
IDM 2021	Special Studies in Microbiology (Lab Rotation II)	7
IDM 2025	Microbiology Seminar	1
PUBHLT 2011	Essentials of Public Health	3
PUBHLT 2022	Public Health Grand Rounds	0
IDM 2041	Scientific Communication & Research Ethics	1
		TOTAL 15

Summer Term (Students cannot take more than 6 credits during the summer term)

Course Number	Course Name	Credits
IDM 2021	Special Studies in Microbiology (Lab	6
	Rotation III/Research)	
	,	TOTAL 6

DOCTORAL PRELIMINARY EXAMINATION IN JUNE

Student chooses advisor after completion of 2-3 laboratory rotations.

SECOND YEAR

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Fall Term		
Course Number	Course Name	Credits
BIOST 2041	Introduction to Statistical Methods I	3
IDM 2004	Viral Pathogenesis	2
IDM 2021	Special Studies in Microbiology (Research)	3
IDM 2025	Microbiology Seminar	1
Elective(s)	See list of recommended electives	<u>4-6</u>
, ,		TOTAL 15

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Course Number	Course Name	Credits
IDM 2014	Functional Genomics of Microbial Pathogens	3
IDM 2021	Special Studies in Microbiology (Research)	6
IDM 2025	Microbiology Seminar	1
Elective(s)	See list of recommended electives	<u>1 - 5</u>
		TOTAL 15

Summer Term

Course Number	Course Name	Credits
IDM 2021	Special Studies in Microbiology (Research)	3 - 6
Elective(s)	See list of recommended electives	<u>1 - 3</u>
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DOCTORAL COMPREHENSIVE EXAMINATION IN JULY

THIRD, FOURTH, & FIFTH YEARS

Fall Te	erm Course Number FTDR 3999	Course Name Full-time dissertation study	Credits 0
Spring	Term Course Number FTDR 3999	Course Name Full-time dissertation study	Credits 0
Summ	ner Term Course Number FTDR 3999	Course Name Full-time dissertation study	Credits 0

DISSERTATION DEFENSE

Infectious Diseases & Microbiology MS Course Plan

Note: Full-time MS students cannot register for less than 9 credits until the spring term of their second year. A total of 36 credits are required.

FIRST YEAR

Fall Term Course Number EPIDEM 2110 Principles of Epidemiology IDM 2001 IDM 2001 Molecular Biology of Microbial Pathogens IDM 2003 IDM 2003 IDM 2019 IDM 2011 IDM 2021 IDM 2021 IDM 2023 IDM 2023 IDM 2025 IDM 2025 IDM 2025 IDM 2025 IDM 2026 IDM 2026 IDM 2027 IDM 2027 IDM 2027 IDM 2028 IDM 2028 IDM 2029 IDM 2029 IDM 2020 IDM 2020 IDM 2020 IDM 2021 IDM 2020 IDM 2021 IDM 2020 IDM 2021 IDM 2025 IDM 2021 IDM 2025 IDM 2021 IDM 2025 IDM 2021 IDM 2025 IDM 2025 IDM 2021 IDM 2025 IDM 2021 IDM 2025 IDM 2021 IDM 2025 IDM 2025 IDM 2021 IDM 2025 IDM 20	INOT TEAN		
EPIDEM 2110	Fall Term		
IDM 2001 Molecular Biology of Microbial Pathogens 3 IDM 2003 Host Response to Microbial Infection 2 IDM 2019 The Emergence and Global Spread of COVID-19 2 IDM 2021 Special Studies in Microbiology (Lab Rotation I) 3 IDM 2023 Microbiology Seminar 1 TOTAL 15 IDM 2025 Microbiology Seminar 1 IDM 2025 PuBILT 2022 Public Health Grand Rounds 0 TOTAL 15 Spring Term	Course Number	Course Name	Credits
IDM 2003	EPIDEM 2110	Principles of Epidemiology	3
IDM 2019 Special Studies in Microbiology (Lab Rotation I) 3 IDM 2023 Microbiology Laboratory IDM 2025 Microbiology Seminar 1 PUBHLT 2022 Public Health Grand Rounds 0 TOTAL 15 Spring Term Course Number IDM 2021 Special Studies in Microbiology (Lab Rotation I) 1 IDM 2025 Microbiology Seminar 1 IDM 2161 Methods of Infectious Disease Epidemiology 1 IDM 2021 Special Studies in Microbiology (Lab Rotation II) 3 IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2040 Scientific Communication and Research Ethics 1 PUBHLT 2011 Essentials of Public Health 3 PUBHLT 2022 Public Health Grand Rounds 0 Elective(s) See list of recommended electives 3 IOM 2021 Special Studies in Microbiology (Thesis Research) 1 IDM 2021 Special Studies in Microbiology (Thesis Research) 2 IDM 2021 Special Studies in Microbiology (Thesis Research) 4 IDM 2021 Special Studies in Microbiology (Thesis Research) 2 IDM 2021 Special Studies in Microbiology (Thesis Research) 4 IDM 2021 Special Studies in Microbiology (Thesis Research) 1 IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2004 Viral Pathogenesis 2 Elective(s) See list of recommended electives 2 Spring Term Course Number Course Name Credits IDM 2025 Microbiology Seminar 1 IDM 2026 See list of recommended electives 2 Spring Term Course Number Course Name Credits IDM 2021 Special Studies in Microbiology (Thesis Research) 3 IDM 2024 Viral Pathogenesis 2 Spring Term Course Number Course Name Credits IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 3 IDM 2025 Microbiology Seminar 4 IDM 2025 Microbiology Seminar 5 IDM 2025 Microbiology Seminar 6 IDM 2025 Microbiology Seminar 7 IDM 2025 Microbiology Seminar 8 IDM 2025 Microbiology Seminar 9 IDM 2025 Microbiology Seminar 9 IDM 2025 Microbiology Seminar 9 IDM 2026 Microbiology Seminar 9 IDM 2027 Microbiology Seminar 9 IDM 2028 Microbiology Seminar 9 IDM 2029 Microbiology Seminar 9 IDM 2021 Microbiology Semin	IDM 2001	Molecular Biology of Microbial Pathogens	3
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IDM 2023 Microbiology Laboratory 1 IDM 2025 Microbiology Seminar 1 O	IDM 2019	The Emergence and Global Spread of COVID-19	2
IDM 2023 Microbiology Laboratory 1 IDM 2025 Microbiology Seminar 1 O TOTAL 15	IDM 2021		3
IDM 2025 Microbiology Seminar Public Health Grand Rounds 1 Spring Term Course Number Course Name Course Number IDM 2021 Research IDM 2021 Special Studies in Microbiology (Thesis Research) IDM 2021 Special Studies in Microbiology (Thesis Research) IDM 2022 Public Health Grand Rounds 1 Fall Term Course Number Course Name Public Health Grand Rounds 1 STOTAL 15 STUDENT CHOOSES LAB/ADVISOR IF ROTATED Summer Term Course Number Special Studies in Microbiology (Thesis Research) IDM 2021 Special Studies in Microbiology (Thesis Research) IDM 2025 Microbiology Seminar 1 IDM 2025 Microbiology Seminar 1 IDM 2026 Microbiology Seminar 1 IDM 2004 Viral Pathogenesis 2 Elective(s) See list of recommended electives 2 Spring Term Course Number Course Name Course Name 1 IDM 2021 Special Studies in Microbiology (Thesis Research) 2 Elective(s) See list of recommended electives 2 Spring Term Course Number Course Name Credits 3 IDM 2024 Special Studies in Microbiology (Thesis Research) 3 IDM 2024 Special Studies in Microbiology (Thesis Research) 3 IDM 2024 Special Studies in Microbiology (Thesis Research) 4 IDM 2025 Microbiology Seminar 1 IDM 2026 Special Studies in Microbiology (Thesis Research) 3 IDM 2021 Special Studies in Microbiology (Thesis Research) 8 IDM 2021 Special Studies in Microbiology (Thesis Research) 8 IDM 2025 Microbiology Seminar 1 IDM 2025 Special Studies in Microbiology (Thesis Research) 8 IDM 2025 Microbiology Seminar 1 IDM 2025 Special Studies in Microbiology (Thesis Research) 8 IDM 2025 Microbiology Seminar 1 IDM 2025 Special Studies in Microbiology (Thesis Research) 8 IDM 2025 Special Studies in Microbiology (Thesis Research) 2 IDM 2025 Special Studies in Microbiology (Thesis Research) 2 IDM 2025 Special Studies in Microbiology (Thesis Research) 2 IDM 2025 Special Studies in Microbiology (Thesis Research) 2 IDM 2025 Special Stud	IDM 2023		1
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IDM 2004 Viral Pathogenesis 2 Elective(s) See list of recommended electives 2-5 TOTAL 12-15 Spring Term Course Number Course Name Credits IDM 2021 Special Studies in Microbiology (Thesis Research) IDM 2025 Microbiology Seminar 1 Elective(s) See list of recommended electives 2-6		0 ,	3
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Spring Term Course Number IDM 2021 Special Studies in Microbiology (Thesis Research) IDM 2025 Microbiology Seminar Elective(s) See list of recommended electives TOTAL 12-15 Credits 8 Microbiology Seminar 1 2-6		<u> </u>	
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IDM 2025Microbiology Seminar1Elective(s)See list of recommended electives2-6	Course Number		Credits
IDM 2025Microbiology Seminar1Elective(s)See list of recommended electives2-6	IDM 2021	Special Studies in Microbiology (Thesis Research)	8
——	IDM 2025		1
	Elective(s)	See list of recommended electives	<u>2-6</u>
	. ,		TOTAL 11-15

<u>Infectious Diseases & Microbiology</u> <u>MPH-MIC Course Plan</u>

Note: Full-time MPH students cannot register for less than 9 credits until spring term of their second year. A total of 42 credits are required.

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Fall Term		
Course Number	Course Name	Credits
BIOST 2041	Introduction to Statistical Methods I	3
EPIDEM 2110	Principles of Epidemiology	3
IDM 2019	The Emergence and Global Spread of COVID-19	2
IDM 2034	Prevention and Control of HIV/AIDS	2
PUBHLT 2015	Public Health Biology	2
PUBHLT 2022	Public Health Grand Rounds	0
PUBHLT 2033 Elective Optional	Foundations of Public Health (Online)	1
·		TOTAL 13-15
Spring Term		
Course Number	Course Name	Credits
BCHS 2509	Social & Behavioral Sciences and Public Health	3
EOH 2013	Environmental Health & Disease	2
IDM 2038	Prevention, Treatment, and Control of Global Infectious Diseases	3
IDM 2025	MPH Seminar	1
IDM 2069	Infection Prevention and Control in Healthcare Settings	2
PUBHLT 2022	Public Health Grand Rounds	0
PUBHLT 2034	Public Health Communications	2
Elective	Elective opportunity/Certificate class	<u>1-2</u>
		TOTAL 14-15

SECOND YEAR

Fall Term		
Course Number	Course Name	Credits
IDM 2021	Special Studies (Thesis/Essay)	3
IDM 2032	Human Diversity & Public Health	2
IDM 2068	Infection Prevention Internship Or	3
IDM 2007	Practicum	
PUBHLT 2035	Applications in Public Health	2
HPM 2001	Introduction to Leadership, Management & Policy in Public Health	3
Elective	Elective	<u>2</u> TOTAL 15
Spring Term		
Course Number IDM 2021 Elective	Course Name Special Studies (Thesis/Essay) Elective optional	Credits 1 <u>1-3</u> TOTAL 1-4

Infectious Diseases & Microbiology MPH-PEL Course Plan

Full-time MPH students cannot register for less than 9 credits until spring term of their second year. A total of 42 credits are required.

FIRST YEAR

Fall Term		
Course Number	Course Name	Credits
BIOST 2041	Introduction to Statistical Methods I	3
EPIDEM 2110	Principles of Epidemiology	3
IDM 2010	Pathogen Biology	2
IDM 2019	The Global Emergence and Spread of COVID-19	2
PUBHLT 2022	Public Health Grand Rounds	0
PUBHLT 2033	Foundations of Public Health (Online)	1
Elective	Elective opportunity/Certificate class	1-4
Licotive	Licotive opportunity/Continuate diago	TOTAL 11-15
pring Term		1017/12 11 10
Course Number	Course Name	Credits
BCHS 2509	Social & Behavioral Sciences and Public Health	3
EOH 2013	Environmental Health and Disease	2
HPM 2001	Introduction to Leadership, Management and	3
200 .	Policy for Public Health	· ·
IDM 2025	MPH Seminar	1
PUBHLT 2022	Public Health Grand Rounds	Ö
Elective	Elective opportunity/Certificate class	1-5
Licotivo	Elective apportunity/ dertinoate sides	TOTAL 10-15
		1017/L 10 10
SECOND YEAR		
Fall Term	Oarres Name	0
Course Number	Course Name	Credits
IDM 2003	Host Response to Microbial Infections	2
IDM 2007*	Public Health Communicable Disease Practicum	3
IDM 2021	Special Studies (Thesis/Essay)	2-4
IDM 2025	MPH Seminar	1
PUBHLT 2034	Public Health Communications	2
Elective	Elective opportunity/Certificate class	3-7
Caring Torm		TOTAL 13-15
Spring Term Course Number	Course Name	Credits
IDM 2021	Special Studies (Thesis/Essay)	2-4
PUBHLT 2035	Applications in Public Health	2-4
Elective	Elective opportunity/Certificate class	1-4
Elective	Licotive opportunity/Gertilicate class	TOTAL 5-10
		101AL 5-10