

## Microbiology, Immunology and Infectious Disease

### List of Courses

CH

#### First Year Department Requirement:

BIOL 66200	Ethics	1
BIOL 66300	Oral Presentations	1
BIOL 69500PD	Tchg Asst Prof Development (for students TAing)	1

#### Area Requirements

##### Scientific Writing (≥ 1ch)

MCMP 62500	Grant Writing	1
HORT 60300	Grant Writing	1

##### Quantitative Analysis in Biology (3ch, choose 1)

STAT 50300	Statistical Methods of Biology	3
BIOL 52101	Experimental Design & Quantitative Analysis in Life Sciences (offered on-line -Summer)	3

##### Advanced Topics Seminar (1ch, choose 1)

BIOL 69600	Eukaryotic Molecular Biology (Spring, Gelvin)	1
BIOL 69600	Development & Disease Seminar (Seminar)	1
FS 66000	Intestinal Microbiology and Immunology	1

#### Area Approved Elective Courses (≥ 9ch)

BIOL 52900	Bacterial Physiology (Spring, Luo)	3
BIOL 53300	Medical Microbiology (Fall, Mattoo)	3
BIOL 53700	Immunobiology (Fall, Deng)	3
BIOL 54100	Molecular Genetics of Bacteria (Fall, Luo)	3
BIOL 51600	Molecular Biology of Cancer (Spring, Allen-Peterson)	3
BIOL 54900	Microbial Ecology (Spring, Applegate)	3
BIOL 59500	Theory of Molecular Methods (Spring, Gelvin)	3
BIOL 59500	Pathways Human Health & Disease (Fall, Tesmer)	3
BIOL 59500	CRISPR Mechanism and Application (Spring, Chang)	3
BIOL59500BC	Bacteria in Cancer Disease and Prevention (Spring, Zhou)	3
BIOL 59500ICI	Immunology of Cancer and Infectious Disease (Spring, Olson)	3
FS 55301	Food Microbiology (Fall, Bhunia)	1
FS 56500	Microbial Foodborne Pathogens (Spring, Bhunia)	3
FS 58100	Microbial Genomics And Metabolism (Fall, Lindemann)	3
BIOL 62000	Advanced Topics/Eukaryotic Cell Biology (Spring, Aguilar)	3
BIOL 69500	Advanced Molecular Virology (Spring, Sanders)	3