Tentative Microbiology Course Offerings

Major Core							
Course #	**Course Name**	**Units**	**Prerequisite**	**Fall**	**Winter**	**Spring**	**Summer**
BIOL 102	Introductory Genetics	4	BIOL 5B (C– or better)	✓	✓	✓	✓
BIOL 107A	Molecular Biology	4	BIOL 5C, CHEM8C/LC, MATH7B or 9B, PHYS 2C/2LC, BCH 100 or 110A	✓	✓	✓	✓
MCBL 131	Introductory Microbiology 2	4	BOL 5C, CHEM1C/1LC, MATH7B or 9B, BCH 100 or 110A (may be taken concurrently), or consent of instructor. Restricted to MCBL majors.	✓			
MCBL 131L	Microbiology Lab 2	4	MCBL 131 (C- or better) or consent of instructor. Restricted to MCBL majors.		✓		
MCBL 125	Experimental Microbiology	4	UD Standing, BIOL 102, BIOL107A, BIOL/MCBL 121 or MCBL 131, BIOL/MCBL 121L or MCBL131L, or consent of instructor			✓	
Major Electives (18 Units)							
Course #	**Course Name**	**Units**	**Prerequisite**	**Fall**	**Winter**	**Spring**	**Summer**
BIOL/CBNS 128	Immunology	3	BIOL5C, PHYS2C/2LC, BCH 100 or 110A	✓		✓	✓
BIOL 157	Parasitology	4	BIOL5C, CHEM8C/8LC, MATH7B or 9B, BCH 100 or 110A, one course in statistics	✓			
MCBL 129	Host Responses to Viral Pathogens	4	MATH7B, BIOL5C, PHYS2C/2LC, BCH 100 or 110A (may be taken concurrently), or consent of instructor		✓	✓	
CBNS 101	Fundamentals of Cell Biology	4	CHEM8C/LC and BCH 100 or 110A (may be taken concurrently)	✓	✓	✓	✓
ENSC/NEM 120	Soil Ecology	4	ENSC 100, BIOL5A/5LA, CHEM1C/1LC, or consent of instructor	✓			
MCBL/BIOL/ PLPA 120	Introduction to Plant Pathology	3	BIOL 5C, CHEM8C/8LC, MATH7B or 9B, PHYS 2C/2LC, BCH 100 or 110A, Stats, or consent of instructor	✓			
MCBL/BIOL/ PLPA 120L	Introduction to Plant Pathology Lab	1	BIOL 5C, CHEM8C/8LC, MATH7B or 9B, PHYS 2C/2LC, BCH 100 or 110A, MCBL/BIOL/PLPA120 and Stats may be taken concurrently, or consent of instructor	✓			
MCBL/BIOL/ PLPA 123	Introduction to Comparative Virology	4	BIOL 5C, CHEM 8C/LC, MATH7B or 9B, PHYS 2C/2LC, BCH 100 or 110A, one course in statistics, or consent of instructor		✓	✓	
MCBL/BIOL 124	Medical Microbiology	4	BIOL5C, CHEM8C/8LC, MATH7B or 9B, PHYS2C/LC, BCH100 or 110A, STAT10*, or consent of instructor		✓		
MCBL 126	Microbiomes	3	BIOL5C, MATH7B or 9B, PHYS2C/LC, BCH100 or 110A, STAT10, or consent of instructor			✓	
MCBL 127	Microbial Evolution	4	BIOL5C, MATH7B or 9B, PHYS2C/LC, BCH100 or 110A, STAT10*, or consent of instructor				
MCBL 128	Field Mycology	4	BIOL5C or consent of instructor		✓		
BIOL158	Medical Molecular Parasitology	4	BCH110C or BIOL107A		✓		
PLPA/BIOL 134	Introduction to Mycology	3	BIOL 5C, CHEM8C/8LC, MATH7B or 9B, PHYS2C/2LC, BCH 100 or 10A, one course in stats, or consent of instructor	✓			
PLPA/BIOL 134L	Intro to Mycology Lab	1	BIOL5C, concurrent enrollment in PLPA/BIOL134L or consent of instructor	✓			
MCBL/ENTM 139	The Evolution of Conflict and Coopera-tion: Cheaters and Altruists	4	BIOL 5C or consent of instructor				
MCBL/ENSC 133	Environmental Microbiology	4	BIOL 5C or consent of instructor	✓			
MCBL 197*	Research for Undergraduates	1-4	Consent of instructor, upper division standing	✓	✓	✓	✓

Tentative Microbiology Course Offerings

Depth Requirements (Additional Major Electives can also be used for this category): 16 Units							
Course #	Course Name	Units	Prerequisite	Fall	Winter	Spring	Summer
BCH 162	Advanced Biochemistry Laboratory	5	BCH 15, BCH 110B, BCH 110C all with grade of C- or better, or consent of instructor		✓	✓	
BIOL 107B	Advanced Molecular Biology	3	BIOL 107A or BCH 110C			✓	
BIOL 119	Intro to Genomics & Bioinformatics	4	BIOL102, BIOL 5C (C– or better), CHEM8C/LC, MATH7B or 9B, PHYS2C/2LC, BCH 100 or 110A	✓	✓		
MCBL 190*	Special Studies	1-4	Permission of Instructor and major chairperson	✓	✓	✓	✓
MCBL 198-I**	Individual Internship in Microbiology	1-4	BIOL121/MCBL121, upper division standing, consent of instructor	✓			

BIOL 105***	Evolution	4	BIOL5C (grade of C- or better), CHEM8C/8LC, MATH7B, PHYS2C/2LC, BCH 100 or 110A, BIOL102, one course in stats or consent of instructor	✓	✓	✓	✓

*No more than 4 units of MCBL 190 and MCBL197 can apply to MCBL upper division requirements.

**MCBL198-I is graded on an S/NC basis. No more than 4 units can apply to Depth requirements.

*** Substitutions require approval by the Microbiology Steering Committee, usually requested if needed in graduating quarter

Schedule is subject to change

Please consult catalog.ucr.edu for full list of pre-requisites and course descriptions

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