

Dr. Susan Skelly Office: Nelson Biology (Busch Campus) B-147

skelly@dls.rutgers.edu

848-445-2818

Office Hours: TBD

Canvas Platform Used in the Course

Textbook: Microbiology: Principles and Explorations, 10th Edition, J.G. Black, 2018, John Wiley & Sons, Inc

Lab Manual: Microbiology: A Lab Manual, 12th Edition, Cappuccino & Welsh, 2020, Pearson. ISBN-13:978-0-13-518899-6 for the e-book which you will use in the lab

Grades: The 4 exams each contribute 25% toward the final grade. The final grade is based on the following scale:

A = 90 – 100%	359 - 400
B+ = 86 – 89%	341 - 358
B = 80 – 85%	320 - 340
C+ = 76 – 79%	301 - 319
C = 70 – 75%	280 - 300
D = 60 – 69%	240 - 279
F = < 60%	< 240

Any Pop Quiz given in lecture would be used as extra credit points. There are no make-up pop quizzes.

Cheating will not be tolerated. Students need to comply with the Rutgers Policy on academic integrity: <http://nbacademicintegrity.rutgers.edu/>

Topics	Chapters
Microbiology History, Chemistry, Taxonomy	1,2, 3*10 p.232-238
Light Microscopy, Staining, Cell Characteristics	4*, 5
Cell Characteristics	5
Microbial Metabolism	6
Microbial Metabolism	6
Microbial Growth	7

Exam 1	
Microbial Genetics	8
Microbial Genetics	8
Gene Transfer	9
Gene Transfer	9
Viruses	11
Viruses and Viral Diseases	11, 20-25*
Sterilization and Disinfection	13
Exam 2	
Antimicrobial Therapy	14
Host Microbe Relationships	15
Medical Bacteriology	20 – 25*
Medical Bacteriology	20 – 25*
Medical Bacteriology	20 – 25*
Exam 3	
Clinically Important Fungi, Protozoa	20 – 25*
Innate Host Defenses	17
Immunology	18
Immunology	18, 19
Immunology	19
Epidemiology and Nosocomial Infections	16

Exam 4

*selected topics only