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Office Hour : TBD

**Textbook:** Microbiology, An Introduction, 14th Edition, Tortora, Funke, Case, 2023, Pearson ISBN – 9780137941674

**Lab Manual:** Microbiology: A Lab Manual, 12th Edition, Cappuccino & Welsh, 2020, Pearson. ISBN-9780135174616 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 = 89.5 – 100%	358 - 400
B+ = 85.25 – 89.25%	341 - 357
B = 79.5 – 85%	318 - 340
C+ = 75.5 – 79.25%	302 - 317
C = 69.5 – 75.25%	278 - 301
D = 59.5 – 69.25%	238 - 277
F = < 60%	< 238

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://academicintegrity.rutgers.edu/academic-integrity-policy/>

It is a violation of the Academic Integrity policy to use sources like Chegg, CourseHero, StudyBlue, GroupMe, etc. during an exam. Also my exams (assignments, notes etc.) are my intellectual property and thus should not be uploaded to any "study help" websites as that is considered stealing.

Topics	Chapters
Microbiology History, Chemistry, Taxonomy	1,2, *10 p.271-273
Light Microscopy, Prokaryotic and Eukaryotic Cells	3,4
Prokaryotic and Eukaryotic Cells	4
Microbial Metabolism	5
Microbial Metabolism	5

Microbial Growth	6
Exam 1	
Microbial Genetics	8
Microbial Genetics	8
Microbial Genetics	8
Gene Transfer	9
Viruses	13
Viruses and Viral Diseases	13, 21-26*
Exam 2	
Control of Microbial Growth	7
Antimicrobial Drugs	20
Microbial Pathogenicity	15
Medical Bacteriology	21– 26*
Medical Bacteriology	21 – 26*
Medical Bacteriology	21– 26*
Exam 3	
Clinically Important Fungi, Protozoa	21 – 26*
Innate Immunity	16
Adaptive Immunity	17
Applications of Immunology	17, 18
Disorders of the Immune System	19

Principles of Disease and Epidemiology

14

Exam 4

\*selected topics only