

INTRODUCTORY MICROBIOLOGY- AHS 1053.01T
SUMMER 2007
TR 2:00PM-3:50PM
BB 3.02.30
JUNE 5 –AUGUST 14, 2007

Lecturer: Laura Mery, Ph.D.

Office Hours: By appointment.

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Required text: Microbiology: An Introduction (8th edition), Gerard J. Tortora, Berdell R. Funke, and Christine L. Case; Pearson Education, Inc./Benjamin Cummings, San Francisco, CA (2004)

Prerequisites: BIO 1023 (Biology I) and BIO 1212 (Lab Investigations)

Course objectives: To learn about microbial growth, effects on environment and human disease, and methods to control microbial effects.

Grading: The five exams given on alternating Thursdays will count for 75% of the final grade. The comprehensive final exam will be 25% of the final grade. Attendance is required.

Timeline: June 5, 2007 first day of class
June 12, 2007 last day to drop or withdraw without a grade
July 10, 2007 10 week classes do not meet
August 14, 2007 Final Exam

**AHS 1053.01T INTRODUCTORY MICROBIOLOGY
SUMMER 2007
TENTATIVE COURSE SCHEDULE**

DATE	TOPIC	READING ASSIGNMENT
JUNE 5	Microbial World, Observing Microbes	Chapters 1 & 3
JUNE 7	Cell structure	Chapter 4
JUNE 12	Microbial metabolism	Chapter 5
JUNE 14	EXAM I	
JUNE 19	Microbial growth and genetics	Chapters 6 & 8
JUNE 21	Classifying microbes and bacteria	Chapters 10 & 11
JUNE 26	Eukaryotic microbes	Chapter 12
JUNE 28	EXAM II	
JULY 3	Viruses and sub viral agents	Chapter 13
JULY 5	Control of microbial growth Antimicrobial drugs	Chapters 7, 28, & 20
JULY 10	10 WEEK CLASSES DO NOT MEET	
JULY 12	EXAM III	
JULY 17	Nonspecific host defenses Specific host defenses	Chapters 16, 17, & 18
JULY 19	Microbial mechanisms of pathogenicity	Chapter 15
JULY 24	Disease	Chapter 14
JULY 26	EXAM IV	
JULY 31	Disease of the respiratory and digestive systems	Chapters 24 & 25
AUGUST 2	Sexually transmitted pathogens Skin diseases	Chapters 21 & 26
AUGUST 7	Diseases of the Nervous and cardiovascular systems Waterborne diseases	Chapters 19, 22, 23 and 27
AUGUST 9	EXAM V	
AUGUST 14	FINAL COMPREHENSIVE EXAM	1:30-4:00PM