

Course Schedule for Microbiology
Gary Alderson

TTh Fall 2010
Lect 8-8:50; Lab 9:30-12:50

DATE	TOPIC	READING**
Aug. 24	Introduction & History of Microbiology Lab: Lab Safety & Contamination	Ch. 1 & 2 & pp. B1-2 Ex. 1 & App. A
26	Prokaryotic Cell Structure Lab: Handwashing Experiment	Ch. 4 & 5 & App. F Ex. 2
31	Prokaryotic Cell Structure Lab: Microscope I & Measuring Microbes	Ex. 3 & 4, App. C
Sept. 2	Viruses, DNA & PCR Lab: Microscope II	Ch. 6 Ex. 5 & Ch. 3
7	Protein Synthesis & Operon Theory Lab: Transfer Technique	Ch. 9 Ex. 6
9	EXAM 1 (Ch. 1-5) Lab: Simple Stain & Bacterial Morphology	Ex. 9
14	Bacterial Genetics Lab: Streak & Pour Plates (Lect. Bacterial Genetics)	Ch. 10 Ex. 7
16	Factors Affecting Growth Lab: Bacterial Conjugation & DNA Fingerprinting	Ch. 7 Ex. 15 & 16
21	Control of Microbes & Antimicrobial Drugs Lab: Genetic Engineering	Ch. 11, pp. C1-3 Handout
23	EXAM 2 (Ch. 6-10) Lab: Gram Stain	Ex. 10
28	Antimicrobial Drugs Lab: Control of Microbes (Lect. Growth)	Ch. 12 Ex. 19 & 22
30	Host/Microbe Interactions Lab: Counting Bacteria	Ch. 13 Ex. 8 & CD-ROM
Oct. 5	Innate & Acquired Immunity Lab: Koch's Postulates	Ch. 14 & 15 Ex. 35
7	EXAM 3 (Ch. 11-13) Lab: Capsule Stain & Lysozyme	Ex. 11 & 23
12	Immune Cell Interactions Lab: Immunology (Blood)	Ex. 25 & 26
14	Immunological Applications Lab: Immunology (Serological Tests)	Ch. 16 & 17 Ex. 24 & CD-ROM
	(Drop Deadline)	
19	Food Poisoning & Staphylococci Lab: Epidemiology (Finish Koch's)	Ch. 18 Ex. 34
21	EXAM 4 (Ch. 14-17 & AIDS) Lab: Spore Stain	Ex. 12

****Key to Reading Assignments:** Ch = Chapters & pp. = pages of textbook by Talaro.
App = Appendices & Ex = Exercises from lab manual by Alderson

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	26 Streptococci & <i>Neisseria</i> Lab: Cocci	Ex. 27
	28 <i>Clostridium</i> & <i>Mycobacterium</i> Lab: Cocci Results & Acid Fast Stain (NLN Receipt Due)	Ch. 19 Ex. 13
Nov.	2 Gram-Neg. Bacilli Lab: Enteric Bacilli	Ch. 20 Ex. 30
	4 EXAM 5 (Ch. 18-20) Lab: Enteric Bacilli & Unknown Table	(Ex. 35)
	9 Spirochetes & Chlamydia Lab: Unknown Keys; Streak practice; Research Write-up Due	Ch. 21 (Ex. 35)
	11 Malaria Lab: Parasitology	Ch. 23 Ex. 31
	16 Helminth Parasites & Fungi Lab: Research Project & Unknowns Begin	Ch. 22 Ex. 35 & 36
	18 Intro. to Viruses & Herpes Viruses Lab: Unknowns	Ch. 6 & 24
	23 EXAM 6 (Ch. 20-23) Lab: Unknowns	
	25 HOLIDAY Lab: HOLIDAY	
	30 Hepatitis Viruses Lab: Research Write-up Due	
Dec.	2 Influenza Lab: (Lect. AIDS) Unknowns Due	Ch. 25
	7 Other Viruses Lab: Computer Unknown	Ex. 32 & 33
	9 Review Lab: Review	
	14 Tues. 8:00 AM FINAL EXAM	
	16 Thur. 8:00 AM NLN Exam (Fee \$17 plus tax due Oct. 28) <u>or</u> Lab Practicum	