



**Biology 2420:
Microbiology for the Health Sciences**

Tentative Lab Schedule: Section 013 (10:35 am to 11:50 am), Section 015 (2:50 pm to 4:05 pm)
Room 1133 **Charlie Beaman, Instructor**

WEEK OF:	Tuesday	Thursday
Jan 17	No Class Yet	Welcome to Lab! Handouts and Lab Safety Intro Introduction and Safety Guidelines Growth in Nutrient Agar and Broth 2-1 Ubiquity of Microorganisms 3-1
Jan 24	Introduction to the Light Microscope 3-3 Examination of Eukaryotic Microbes	1-2 Aseptic Transfers Begin Unknown #1
Jan 31	2-2 Cultural Characteristics 3-4 Simple Stains 3-12 Continue Unknown #1	3-5 Negative Stain 3-6 Gram Stain and 3-8 Capsule Stain 3-12 Continue Unknown #1 (Gram Stain)
Feb 7	3-7 Acid-fast Stain 3-9 Endospore Stain 3-11 Flagella Stain (prepared slides) 3-12 Continue Unknown 1 (Differential Stains)	2-6--2-9 Cultivation of Anaerobes 6-1 Standard plate count (demo)
Feb 14	2-12 Effects of Osmotic Pressure on Growth Effects of Temperature and Radiation on Growth 3-12 Continue Unknown #1	Lab Practical Exam One Unk #1 due, Begin Unknown #2
Feb 21	4-1 Mannitol Salt Agar (MSA) 5-5 Catalase Test (H ₂ O ₂) 5-27 Coagulase Test Continue Gram (+) Unknown #2	5-12 Bile Esculin Test 5-24 Bacitracin Susceptibility Test Optichin Susceptibility Test (Demo) Continue Gram (+) Unknown #2

Feb 28	4-5 Eosin Methylene Blue Agar (demo with E. coli) 4-6 Hektoen Enteric Agar 4-7 McConkey Agar Continue Gram (+) Unknown #2 Begin (Mixed- Enteric) Unknown #3	Continue Gram (+) Unknown #2 Continue (Mixed- Enteric) Unknown #3
Mar 7	Lab Practical Exam Two Unknown #2 DUE!	5-2 Phenol Red Broth 5-4 Methyl Red / Voges-Proskauer Tests (MR-VP) 5-20 Sulfur, Indole, Motility (SIM) Continue Unknown #3
Mar 14	Spring Break- woo hoo!	
Mar 21	5-21 Triple Sugar Iron Agar(TSI) 5-8 Citrate Test Continue Unknown #3	5-15 Urease Test 5-10 Ornithine Decarboxylase Test, Continue Unknown #3
Mar 28	Antibiotic sensitivity Demo (7-3)Ig Precipitation plate Demo (10-3)Rapid test ID Demo Continue Unknown #3	Rapid test ID Demo Continue Unknown #3 Begin Unknown #4 (mixed) plus TBD
Apr 4	Intro to Parasitology Continue Unknowns #3, #4	Lab Practical Exam Three Unknown #3 DUE!
Apr 11	11-1 The Fungi-Common Yeasts and Molds Fermentation of Grape Juice Continue Unknown #4	11-1 The Fungi-Common Yeasts and Molds (cont) 11-2 Protozoans of Clinical Importance Unknown #4 DUE
Apr 18	11-2 Protozoans of Clinical Importance Continue Unknown #4	11-3 Helminth Parasites
Apr 25	11-3 Helminth Parasites (cont.) Note: April 25 is last day to withdraw	11-3 Helminth Parasites (cont.)
May 2	TBD	Lab Practical Exam Four
May 9	No Lab - Lab is Complete	
May 16	Class Over Woo HOO!	

Last update 1/9/2011

