

LAB SCHEDULE FOR MICROBIOLOGY 281, Part II, SUMMER 2011 page 45

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http://biology.clc.uc.edu/fankhauser/Labs/Microbiology/Lab_Schedule_First_Half.htm

Mount this schedule inside the front cover of your Lab Notebook:

DATE	LAB ACTIVITIES:	HANDOUTS & PROTOCOLS:	ILLUSTRATIONS & DATA:
M 7/25	Notebooks returned	Notebook Gradesheet, 7/22/11	Notes on NB improvement
	Did you bring in samples to test? Growth inhibition UV Killing	Agar Overlay Technique Inhib'n of Bact Growth Assay UV Killing of Bacteria Additional Experiments with UV	Growth inhib'n plate layout UV plate layout UV killing: apparatus
W 7/27	Record inhibition data Discuss inhib. significance Spore formers	Bacterial Features on Prepared Slides especially spore morphology	Zones of inhibition, class data UV killing results: exposed plate Clostridial spore morphology
F 7/29	NO CLASS		
M 8/2	Blood agar use Take home sterile tubes	β Hemolytic Strep Detection	Blood agar results, illustration swabbing the oropharynx
	MIDTERM EXAM: First closed book, then open lab notebook.		
W 8/4	Record hemolysis plts Bring in two samples! Coliform assay: Fecal contam., ambient H ₂ O	Assay for Fecal Contamination	Set up coliform data table
F 8/6	Count and score colonies Streak out colonies	Single Colony Isolation	Class results, coliform counts
M 8/9	LAB FIRST: TSI agar prep	Triple Sugar Iron Agar and its Use	Record results of streak plates TSI Slant preparation Slant solidification configuration
W 8/11	TSI inoculation Pour Plates: Meat & Milk Contam Take home sterile bottle	(Do you have a sample to assay?) Pour Plate Technique Bact. Contam. of Milk & Meat	Streaking results TSI slant inoculation technique Dilution & plating technique: meat & milk plate counts
F 8/13	Read TSI slants	Triple Sug. Iron Agar Interpret'n	TSI reactions
	Count: Meat & Milk plates Memb. filter assay: Bring in drunk water	Coliform in Drinking water, p. 1 Coliform in Drinking water, p. 2	Class data on meat & milk, then Membrane filtration apparatus Membrane filter plates NOTEBOOKS DUE
M 8/16	Notebooks returned Count memb. filters	Protozoan and Helminth Parasites	Notebook gradesheet, 8/15/08 Class Data: drinking water
	Protozoan slides		Protozoan illustrations
W 8/18	LAB FIRST: Bact. virus growth and titering	Prep. of Bacterial Virus Stocks Titering of Phage Cultures	A ₆₆₀ during phage growth Plating viral dilutions for plaques
F 8/20	Calculation: viral titer Phage assay data	Then...	
	FINAL EXAM after you count your plaques & calculate phage titre		

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