

# LAB SCHEDULE FOR MICROBIOLOGY 281, Part II, SUMMER 2009 page 41

25 June 09

[http://biology.clc.uc.edu/fankhauser/Labs/Microbiology/Lab\\_Schedule\\_First\\_Half.htm](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 7/27	Notebooks returned	Notebook Gradesheet, 7/24/09	Notes on NB improvement
	Growth inhibition	Agar Overlay Technique Inhib'n of Bact Growth Assay	Growth inhib'n plate layout
	UV Killing	UV Killing of Bacteria Additional Experiments with UV	UV plate layout UV killing: apparatus
W 7/29	Record inhibition data Discuss significance Blood agar use	β Hemolytic Strep Detection	UV killing results: exposed plate, zones of inhibition, class data swabbing the oropharynx
F 7/31	Record hemolysis plts Spore formers Take home sterile tubes	Bacterial Features on Prepared Slides	Blood agar results, illustration Clostridial spore morphology
	<b>MIDTERM EXAM: Both closed book then open lab notebook</b>		
M 8/3	Coliform assay: Fecal contam., ambient H <sub>2</sub> O	Assay for Fecal Contamination	Set up coliform data table
W 8/5	Count colonies Streak out colonies.	Single Colony Isolation	Class results, coliform counts
F 8/7	<b>LAB FIRST:</b> TSI agar prep	Triple Sugar Iron Agar and its Use	Record results of streak plates TSI Slant preparation Slant solidification configuration
M 8/10	TSI inoculation Pour Plates: Meat & Milk Contam Take home sterile bottle	Pour Plate Technique Bact. Contam. of Milk & Meat	Streaking results TSI slant inoculation technique Dilution & plating technique: meat & milk plate counts
	W 8/12	Read TSI slants	Triple Sug. Iron Agar Interpret'n
W 8/12	Count: Meat & Milk plates Memb. filter assay: Bring in drnkg 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 <b>NOTEBOOKS DUE</b>
F 8/14	Notebooks returned Count memb. filters	Protozoan and Helminth Parasites	Notebook gradesheet, 8/15/08 Class Data: drinking water
	Protozoan slides		Protozoan illustrations
M 8/17	<b>LAB FIRST:</b> Bact. virus growth and titering	Prep. of Bacterial Virus Stocks Titering of Phage Cultures	A <sub>660</sub> during phage growth Plating viral dilutions for plaques
W 8/19	Calculation: viral titer Phage assay data	Then...	
<b>FINAL EXAM</b> after you count your plaques & calculate phage titre			