

Biology 240- Microbiology Lab Schedule
Spring 2010

Date	wk	Lab Exercise	Lab Topic
1-20	1	Intro	Introduction to Micro Lab & Lab Safety
		1-3	Aseptic Transfers
1-25	2	2-1, 1-4	Ubiquity of Microorganisms, Streak for isolation Start Characteristics Tables (see example on website)
1-27		2-2	Cultural Characteristics, Colony Morphology
2-1	3	3-1, 3-4	Intro to Microscopes: Smears & Simple Staining
2-3		3-6	Differential Staining: Gram Staining I
2-8	4	3-6	Differential Staining: Gram Staining II
2-10		3-9	Spore Stain, Flagellar Stain & Capsule Stain (demos)
2-15	5		President's Day: NO CLASSES
2-17		4-1, 4-2, 5-20, 5-4, 5-5	Differential Assays (G+): PEA, MSA, BA, Catalase & Oxidase
2-22	6	4-4, 5-1, 5-11	Finish G + Assays Enteric Bacteria (G- bacilli): EMB Agar, O-F, Starch
2-24		5-2, 5-3, 5-7	Exam I: Weeks 1-5 Enteric Bacteria: Durham Tubes, MRVP, Simmons Citrate
3-1	7	5-12, 5-22, 5-17, 5-8	Enteric Bacteria: Urea, MIO Discuss unknowns, characteristics tables
3-3		5-8, 5-9 9-1, 9-2	Enteric Bacteria: Phenylalanine, Cysteine (PID) Discuss flow charts
3-8	8	2-6, 2-7	Anaerobes: Thioglycolate tubes, Candle Jar, Gas pak <u>COPY</u> of Characteristics Table due at beginning of lab (5pts) First draft of flow chart due at beginning of lab (5pts)
3-10			FLEX DAY- NO CLASS
3-15	9	7-2	Finish Anaerobes Control of Microorganisms: Antimicrobial Susceptibility
3-17		2-11 7-3	Control of Microorganisms: UV Radiation Susceptibility Start MMWR Project (select organism, research, plagiarism HO) <u>COPY</u> of working Flow Chart due at the beginning of lab (5pts)
3-22	10	7-3	Finish Control Experiments MMWR Project: Data Collection
3-24		6-1	Counting Microbes
3-29	11	6-1	Finish counting microbes
3-31		7-1	Bacteria of the Mouth: Snyder Test, Plaque Stain
4-12	12	7-4, HO	ELISA: Epidemic Simulation & Immunoassay
4-14		9-1, 9-2, 9-3	Unknowns assigned, Gram Stain Practical

4-19	13		Unknowns
4-21			Work on Unknowns
4-26	14		Unknowns
4-28			Exam III: Weeks 11-13 Unknowns
5-3	15		Unknowns
5-5			Finish up unknowns
5-10	16		Biotechnology/Bioinformatics
5-12			Biotechnology/Bioinformatics
5-17	17		Biotechnology/Bioinformatics Unknown Write-up due at the end of lab today
5-19			EXAM IV: Weeks 14-17 Lab clean-up