

DATE		LABORATORY PROCEDURES	Pages	DRAW OR RECORD RESULTS OF	LAB REPORTS DUE
5/8 (R)	1	<ul style="list-style-type: none"> ▣ Lab Introduction, ▣ Safety Orientation 3-1 Care and Use of the Microscope 	lab packet lab packet p. 3 - 5 p. 74 - 78	3-1	
5/12 (M)	2	3-3 Microbes: photosynthetic prokaryotes & eukaryotes Algae & Cyanobacteria	p. 72 - 75 also lab packet	Photosynthetic microbes	3-1
5/13 (T)	3	<ul style="list-style-type: none"> ▣ Rules & Methods for Media Handling and Disposal 1-2 Aseptic Transfers 2-3 Growth patterns on Slants 2-4 Growth patterns in Broth 	in lab packet p. 14– 19 p. 38 p. 39		Photosynthetic microbes
5/14 (W)	4	3-3 Microbes: Protozoans 11-1 Microbes: Fungi – Yeasts and Molds 3-8 Capsule Stain (view prepared slide)	p. 72 - 75 p. 312 - 319 p95 - 96	Protozoans, 2-3, 2-4, 11-1, 3-8	
5/15 (R)	5	3-5 Negative Stain 3-4 Simple Stain ☞ Get Slide Boxes (one per team – keep in drawer)	p. 84 – 85 p. 81 – 83	3-4 3-5	
5/19 (M)	6	WRITTEN EXAM # 1 (on labs 1 -5) 5-26 Blood Agar 3-6 Gram Stain	p. 193 – 195 p. 86 - 90	3-4 3-5	Protozoans, 2-3, 2-4, 11-1, 3-8
5/20 (T)	7	3-7 Acid Fast Stain 3-9 Endospore Stain 6-1 Standard Plate Count 4-2 Mannitol Salt Agar	p. 91 - 94 p. 97 – 99 p. 218 - 221 p. 108 – 110	3-6, 3-7, 3-9, 5-26	3-4, 3-5
5/21 (W)	8	2-4 Evaluation of Media 2-5 Aerotolerance – Agar Shake Protocol 2-9 Effect of Osmotic Pressure on Growth	p. 40 - 41 p. 44 p. 53 – 54	3-7, 3-9 5-26, 3-6 6-1, 4-2	
5/22 (R)	9	7-3 Antimicrobial Susceptibility Test DNA DNA Fingerprinting (Part I)	p. 242 – 244 also lab packet in lab packet	2-4, 2-5, 2-9	3-7, 3-9 5-26, 3-6 6-1, 4-2
5/26 (M)*		NO LABS – MEMORIAL DAY HOLIDAY			
5/27 (T)	10	4-6 Eosin Methylene Blue Agar DNA DNA Fingerprinting (Part II) 1-3 Streak Plate Method	p. 118 – 119 in lab packet p. 20 – 22	7-3. DNA	2-4, 2-5, 2-9
5/28 (W)	11	☞ Review for Midterm Practical Exam <i>students may attend review sessions in other lab times as guests</i>		1-3, 4-6	
5/29 (R)		NO LABS			
6/2 (M)	12	✍ MIDTERM PRACTICAL EXAM ✍ MIDTERM WRITTEN EXAM (on labs 6 through 10)			

DATE		LABORATORY PROCEDURES	Pages	RECORD	REPORTS
6/3 (T)	13	11-2 Parasitic Protozoans ☞ Clean all first half material out of out incubators UN Get unknowns, do streak plates	p. 320 – 326 also lab packet in lab packet	11-2	7-3. DNA
6/4 (W)	14	11-3 Helminth Parasites (& disease transmitting Arthropods) 10-3 Immunodiffusion (modified as per lab packet) 3-10 Wet Mount & Hanging Drop Preparations: Motility	p. 327 – 335 also lab packet in lab packet p. 100 – 101	11-3	11-2
6/5 (R)	15	LA Latex Agglutination 8-4 Soil Microbial Count (You can bring your own soil!) 5-30 Enterotube II KN Get Knowns, Do Slants	in lab packet p. 274 – 276 also lab packet p. 207 – 211 in lab packet	10-3, LA 3-10	11-3
6/9 (M)	16	5-2 Phenol Red Broth for Sugar Fermentation 5-21 Triple Sugar Iron Agar 5-23 Litmus Milk Medium	p. 131 - 133 p. 181 - 183 p. 186 - 188	8-4, UN, 5-30	
6/10 (T)	17	WRITTEN EXAM # 3 (on labs 13 through 15) 5-20 SIM Medium 5-4 Methyl Red and Voges Proskauer tests 5-8 Citrate test 5-17 Gelatinase test	p. 177 - 180 p. 136 - 140 p. 149 – 150 p. 171 - 172	5-2, 5-21, 5-23, 8-4 UN	10-3, LA 3-10, 5-30
6/11 (W)	18	5-13 Starch Hydrolysis 5-19 Lipase test 5-16 Casease Test 5-15 Urease Test (Urea Broth Protocol) 5-7 Nitrate Reduction test	p. 161 - 163 p. 175 p. 169 - 170 p. 166 - 168 p. 145 - 148	5-20, 5-4, 5-8, UN, 5-17, 8-4	5-2, 5-21, 5-23,
6/12 (R)	19	5-5 Catalase Test 5-6 Oxidase Test	p. 141 - 142 p. 143 - 144	5-5, 5-6 5-13, 5-19, 5-16, 5-15, UN 5-7	5-20, 5-4, 5-8, 5-17, 8-4
6/16 (M)	20	☞ Complete Unknown & Clean up lab ☞ Review for Final Practical Exam <i>students may attend review sessions in other lab times as guests</i>		UN	UN
6/17 (T)		NO LABS			
6/18 (W)	21	✍ FINAL PRACTICAL EXAM (on labs 13 – 19) ✍ FINAL WRITEN EXAM (on labs 16 through 19)			5-5, 5-6 5-13, 5-19, 5-16, 5-15 5-7