

DATE	TOPIC	EXERCISE #
08-25	Culture medium preparation; Microorganisms around us (no quiz)	1,2
08-27	Aseptic technique	3
09-01	Cultural characteristics	4
09-03	Enumeration of bacterial populations	5
09-08	Simple stains; Wet mount; Use of microscope	6,7,8
09-10	Gram stain; Other differential stains	9,10
09-15	Selective and differential media	11
09-17	Temperature & growth; Buffers; Oxygen requirements	12,13,14
09-22	Bacterial growth curve	15
09-24	Extracellular enzymes; Carbohydrate fermentation	16,17
09-29	IMViC tests; Hydrogen sulfide; Urease	18,19,20
10-01	Nitrate reductase; Catalase; Triple-Sugar Iron; Litmus milk	21,22,23,24
10-06	Inoculation of Unknowns	16-25
10-08	Identification of Unknowns [growth curve report due]	16,25
10-13	<b>MIDTERM PRACTICAL EXAM</b>	<b>1-25</b>
10-15	Conjugation; Transformation; Plasmid extraction; Restriction enzymes	26,27,28,29
10-20	Gel electrophoresis; Analysis of food; Sauerkraut; Wine	30,31,32,33
10-22	Protozoa; Fungi	34,35
10-27	Standard Analysis of Water; Membrane filtration; Plaque Assay [unknown report due]	36,37,38
10-29	Physical control of microbial growth	39
11-03	Chemical control of microbial growth	40
11-05	Normal flora; Oral flora	41,42
11-10	<i>Staphylococcus</i>	43
11-12	<i>Streptococcus</i> ; Other pathogenic bacteria	44,45
11-17	Use of Enterotube; Use of Bactercult tube; Ouchterlony plate	46,47,48
11-19	Nitrogen cycle; Environmental studies	49,50
11-24	observe results; evaluations; answer questions about final (no quiz)	--
11-26	THANKSGIVING HOLIDAY!	
12-01	<b>COMPREHENSIVE WRITTEN FINAL EXAM</b>	<b>1-50</b>

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- **Note that labs meet THE FIRST DAY!!!!**
- **Lab manual is green *Essentials for Microbiology Laboratory* by Munro (at bookstores)**
- **No lab coats, goggles, etc., are required but may be worn. Bring a Sharpie marker.**
- **Lab attendance is mandatory, and there are no make-ups for labs or quizzes. If ill, email your instructor within 24 hours of missing lab. Discuss any upcoming time conflicts in advance.**
- **Quizzes cover the material for that day plus that from the previous lab. Two lowest scores will be dropped.**