

MCB 3020L LABORATORY SYLLABUS SPRING 2009

DATE	TOPIC	EXERCISE #
1-07	Microorganisms around us; Aseptic technique (no quiz)	1,2
1-14	Cultural characteristics; Enumeration of bacterial populations	3,4
1-21	Staining procedures; Use of the microscope	5,6
1-28	Conditions affecting growth; Selective & differential media	7,8
2-04	Bacterial growth curve; Enzymatic activities of bacteria	9,10
2-11	Inoculation of Unknown	11
2-18	Transformation; Restriction enzymes; Gel electrophoresis	12,13,14
2-25	<b>MIDTERM EXAM</b>	<b>1-14</b>
3-04	Food analysis; Microbial roles in food production [growth curve report due]	15,16
3-11	SPRING BREAK!	
3-18	Water analysis; IMViC tests; Plaque assay technique; Pathogenic protozoa; Fungi	17,18,19,20,21
3-25	Bacterial roles in the nitrogen cycle; Chemical control of microbial growth; Physical control of microbial growth [unknown report due]	22,23,24
4-01	Normal flora; Pathogenic bacteria; Use of Enterotube; Use of Bactercult tube	25,26,27,28
4-08	observe results; evaluations; answer questions about final (no quiz)	
4-15	<b>COMPREHENSIVE WRITTEN FINAL EXAM</b>	<b>1-28</b>

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Note that labs begin on the FIRST DAY. Quizzes cover the exercises to be done that day plus the ones done the previous lab period.

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