

MICROBIOLOGY

(BIOLSC50LS-080)

GENERAL INFORMATION:

Spring Semester 2018, Tu & Th 6-7 pm (lecture) and 7:00 - 9:50 pm (lab) (First class 1/23/18)

INSTRUCTOR: W. Dirk Sikkema
OFFICE HOURS: Tu & Th, 5-6 pm in faculty break room (do not check in classroom)
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TEXT: MICROBIOLOGY, An Introduction by Tortora, et al 9th ed 10th ed 11th 12th ed
LAB MANUAL: Microbiology Lab Manual by D. Hseih
MANUAL SUPPL.: A PHOTOGRAPHIC ATLAS for the Microbiology Laboratory (not required)

GRADE CRITERIA:

1.	LECTURE EXAMS (x4)	100 pts ea	400
2.	QUIZZES	10 pts ea	about 100
3.	LAB TECHNIQUES PRACTICAL	50 pts	50
4.	LAB REPORTS (10 to 30 points each) (If you are absent on the day that a lab is conducted, you cannot turn in a lab report for that day)		about 300
5.	LAB TECHNIQUE OBSERVATIONS (30 points)		30
6.	FINAL EXAM (comprehensive)	200 pts	200
APPROXIMATE TOTAL NUMBER OF POINTS			about 1080

A	90%-100%
B	80%-89%
C	70%-79%
D	60%-69%
F	<59%

Percentages are rounded e.g. anything above 89.5% gets rounded to 90% and so on

LAB REPORTS:

For each lab exercise, do the following for a lab report:

- Cover Sheet: (typed or neatly written and not torn out of a spiral notebook) in the following format:
 - Purpose: What are you going to learn in this exercise (one or two sentences).
 - Results: Drawings, charts or diagrams of data obtained from your work. You may use the pages from your lab manual.
 - Conclusion: An explanation of your results and a discussion of what variables might have affected your results. Should be a paragraph or two. Discuss what you think you have learned from this exercise.
- Questions: A set of questions may be asked for each lab exercise.

On days that there are more than one lab, you must turn in a separate lab report for each lab exercise. Lab reports are usually due one week from the date the experiment was performed in class. Due dates will be assigned in class. Late lab reports will lose 2 points per class period late. You may discuss lab reports with other people in the class but you may not copy or turn in identical lab reports

LAB TECHNIQUE:

The Microbiology Laboratory can be a dangerous place. It is important to employ good technique in order to protect yourself and others. Part of your lab grade will be based upon observations of the instructor regarding how you conduct your experiments. This also includes clean up of your position and making sure the microscopes are returned (without slides on stage, oil on the lenses and in the required position).