

MICROBIOLOGY

Instructor:	Dr. Ronald Sizemore	BIO 425
Office:	Friday 2028B	Spring 2013
Telephone:	962-3670	Office hours: MWF 9:00-9:45
Email:	Sizemorer@uncw.edu	or by Appointment

<u>No.</u>	<u>Date</u>	<u>LECTURE</u>	<u>Topic</u>	<u>Chapter</u>
1	Jan 9	Microbiology		1
2	Jan 11	History		1
3	Jan 14	Microscopes		2
4	Jan 16*	Cell Biology		4
5	Jan 18	----		4

MARTIN LUTHER KING HOLLIDAY- JANUARY 21

6	Jan 23	Microbial Nutrition		5
7	Jan 25	Microbial Metabolism		5
8	Jan 28	Microbial Growth		6
9	Jan 30	Control of Microbial Growth		27
10	Feb 1	TEST I		-
11	Feb 4	Control of Growth (contd.)		27
12	Feb 6	Molecular Biology		7
13	Feb 8	----		7
14	Feb 11	Gene Regulation		9
15	Feb 13	----		9
16	Feb 15	Bacterial Genetics		11
17	Feb 18	----		11
18	Feb 20	Virology		10
19	Feb 22	Human-Microbe Interactions		28
20	Feb 25	TEST II		-
21	Feb 27#	Immunology		29-30
22	Mar 1	Epidemiology		33

SPRING BREAK MARCH 2 -10

23	Mar 11	Diagnostic Microbiology		32
24	Mar 13	Person to Person Diseases		34
25	Mar 15	Vector Transmitted Diseases		35
26	Mar 18	Diseases (contd.)		35
27	Mar 20	Water Treatment & Waterborne Diseases		36
28	Mar 22	Diseases (contd.)		36
29	Mar 25	Food Microbiology		37
30	Mar 27	TEST III		

EASTER HOLLIDAY- MARCH 28-31

<u>LECTURE</u>				
<u>No.</u>	<u>Date</u>	<u>Topic</u>		<u>Chapter</u>
31	Apr 1	Genetic Engineering		12
32	Apr 3	----		12
33	Apr 5	Microbial Genomics		13
34	Apr 8	Industrial Microbiology		25
35	Apr 10	Biotechnology		26
36	Apr 12	Microbial Diversity		14
37	Apr 15	Microbial Systematics		14
38	Apr 17	Prokaryotic Diversity: Bacteria		15
39	Apr 19	Prokaryotic Diversity (contd.)		15
40	Apr 22	TEST IV		
41	Apr 24	Prokaryotic Diversity: Archaea		17
42	Apr 26	Prokaryotic Diversity (contd.)		17

***** – FINAL EXAM *****

* Jan 16= Last Day to add or drop without a grade

Fe 27 = Last day to withdraw with W

**THE DEPARTMENT OF BIOLOGICAL SCIENCES STRONGLY SUPPORTS
THE ACADEMIC HONOR CODE AS STATED IN THE STUDENT HANDBOOK AND
CODE OF STUDENT LIFE AND WILL NOT TOLERATE ACADEMIC DISHONESTY**

Grading:

Lecture Grade:

Tests (4)	200 points each
Final exam	<u>200 points</u>

Total Points for Course

TOTAL 100 % = 1000 points

Grades:

A = 90 – 100 %

B = 80 – 89 %

C = 70 – 79 %

D = 60 – 69 %

F = > 60%

W = < 60 %

(+/- Grades will not be assigned in this course)

Note:

1. **Test dates** will not be changed except under extraordinary circumstances (e.g. hurricanes, snowstorms, etc).
2. Copies of the **old tests** are available for viewing on the Internet at <http://people.uncw.edu/sizemorer/rkswww> (this site contains other material relevant to the course).
3. **You are NOT allowed to drop or miss a TEST.** If uncontrollable circumstances prevent you from taking a test, you **MUST** notify me (e.g. telephone and leave a message or email) with an acceptable excuse at or before the time of the test. The instructor reserves the right to define what is an acceptable excuse. General examples: **Simply not being prepared is NOT an acceptable excuse**, while sickness, family emergencies and transportation problems are generally sufficient excuses. If you are excused from taking a test, the 3 remaining tests will be averaged and the average will count as the score for the missed test. Missing 2 tests is unacceptable.
4. Please be sure to **turn off** your cell phones before lecture starts and **during exams.** **Restroom breaks** are not allowed during exams.
5. **Attendance** at lectures is strongly recommended but not required. You are required to attend when tests are given. **Tardiness** is disruptive to the class and you should make every attempt to be on time for lectures and tests.

TEXT:

Lecture: M. T. Madigan, J. M. Martinko, P. V. Dunlap and D. P. Clark. **Brock Biology of Microorganisms** (12th Edition, 2009). Used copies are available online. (This text is not required but is recommended)