

General Microbiology 11: 680:390 – Summer II
Lecture – 9:30 – 11:20 AM CDL 102, MTWTh.

Lec	Date	Topics	Chap	Instr
1	7/9	Introduction – History of microbiology and microbiological methods	1, 4	HW
2	7/10	Cell structure and function I	2,4	HW
3	7/11	Cell structure and function II	2,4	HW
4	7/12	Nutrition and Metabolism	5	HW
5	7/16	Microbial and Cellular Growth	6	HW
6	7/17	Microbial evolution and taxonomy	11,12	HW
7	7/18	Biodiversity I – Bacteria	11,12	HW
8	7/19	Biodiversity II – Archaea	13	HW
9	7/23	Biodiversity III – Eukaryotes and Viruses	14,16	HW
10	7/24	Industrial Microbiology	30	HW
11	7/25	Fundamentals of molecular biology in microorganisms	7,8	HW
	7/26	EXAM I on lectures 1-10		
12	7/30	Regulation of gene expression	8, 10	GS
13	7/31	Bacterial Genetics and Genomics	10, 15	GS
14	8/1	Applied Bacterial Genetics – Biotechnology and Genetic Engineering	15, 31	GS
15	8/2	Microbial Ecology I	18	GS
16	8/6	Microbial Ecology II	19	GS
17	8/7	Microbiology of Water	28	MT
18	8/8	Microbiology of Food	29	MT
19	8/9	Human-Microbe interactions	21,25	MT
20	8/13	Human Disease	26, 27	MT
21	8/14	Epidemiology	26	MT
	8/15	EXAM II on lectures 11 through 21		

Instructors:

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Text: M. T. Madigan and J. M. Martinko 2006 *Brock's Biology of Microorganisms* 11th edition. Prentice Hall, Upper Saddle River, NJ

Lab Manual: Diane Davis *General Microbiology Laboratory Manual* Departmental Publication \$25.00 cash.

Grading

Laboratory – 25%

Exam I – 32%

Exam II – 33%

Pop Quizzes 10%

Laboratory grades will be assessed on a range of written reports, quizzes, and a practical examination. *If you don't pass the lab section, you can't pass the course!*

Between 5 and 8 pop quizzes will be given in the middle of lecture, shortly after the break. Pop quizzes will be easy and will cover material in the reading and in the first half of the lecture.