

Medical Microbiology

BIMM124
Winter 2010

Willie Claiborne Brown
Professor Emeritus

Administrative Details

Instructor: Willie Claiborne Brown, Ph.D., Professor Emeritus

Office Hours

M, 9:00-9:45 AM; W, 11:00AM-12:15 PM

Location

Center Hall 113

Email: wbrown@ucsd.edu

*****Not Available during Spring or Summer**

Required Text

Reader: Medical Microbiology at Bookstore (contain most images for Brown Lectures)

Website: WebCt

Exams

Midterm 50%

Final 50% (Cumulative)

Special Notes

1- **Exams** are based on material covered in lectures, the syllabus and the website as announced. Some of the website entries are for background or intellectual embellishment.

Occasionally, there might be specific references to material in the text for which you will be responsible. In general, textbook readings are to provide depth.

2- Alternate or makeup exams given only for documented extreme emergencies such as severe illness or death in the family

3- No professional note-takers allowed in course.

4- Tape recorders permitted but use with discretion

5- All concerns about test scores/grades must be raised within one week after completion of the exam or assignment of the grade.

6- Students are held responsible for all course material and all announcements/instructions covered in class, the Reader and posted on the Web.

7- **All grades are final except for clerical error.**

- 8- **No special provisions provided for students who have three exams on the same day. Look at your exam schedules NOW! If you fit within this category, you might want to take one of the courses during another quarter.**
- 9- **Academic Honesty:** You are expected to do your own work. All persons suspected of cheating will be dealt with according to the university regulations regarding academic dishonesty.

On Reserve

1. Engleberg, N.C, et al, Schaechter's Mechanism of Microbial Disease, 4th ed, Lipincott Williams and Wilkins, Baltimore, 2007.
2. Goehring,

Course Overview

- Understanding the sources and spread of disease and the factors affecting the outcome of an infection
- Highlights of the structural and physiological properties of pathogenic bacteria, fungi, and viruses
- Discussions of the basic mechanisms of disease and host defenses
- Detailed discussion of selected diseases caused by bacteria, fungi, protozoa and viruses
- Applications of Medical Microbiology to life experiences

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Lecture Schedule

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Location: Center 113

Time: MWF 8:00-8:50 AM

Final Exam: Monday, March 15, 8-11 AM

Lec	Wk	Mo	Date	Topics Covered
1	1	J	4	Introduction; Sources and Spread of Disease
2		J	6	Sources and Spread of Disease (cont'd)
3		J	8	Factors Affecting the Outcome of Infections
4	2	J	11	Host Defenses
5		J	13	Host Defenses (cont'd)
6		J	15	Host Defenses (cont'd)
	3	J	18	*****Holiday*****
7		J	20	Host Defenses (cont'd)
8		J	22	Host Defenses (cont'd)
9	4	J	25	Introduction to Viruses
10		J	27	Introduction to Viruses
11		J	29	Viral Pathology
12	5	F	1	Viral Pathology
13		F	3	Introduction to Fungal Pathogens
14		F	5	Introduction to Fungal Pathogens (Concl)
	6	F	8	Midterm (In Class)
15		F	10	Introduction to Parasites with focus on Gastrointestinal Protozoa (Guest Lecturer, Professor Gillin, UCSD SOM)
16		F	12	Introduction to Parasites with focus on Gastrointestinal Protozoa (Guest Lecturer, Professor Gillin, UCSD SOM)
	7	F	15	*****Holiday*****
17		F	17	Essential Properties of Bacteria; Mechanism of virulence
18		F	19	Mechanism of Bacterial Virulence (cont'd)
19	8	F	22	Mechanism of Bacterial Virulence (cont'd); Spore-forming Bacteria
20		F	24	Sporeforming Bacteria concl: <i>Streptococcus</i> and related
21		F	26	<i>Streptococcus</i> and related; <i>Staphylococcus</i>
22	9	M	1	<i>Staphylococcus</i> (concl); <i>Corynebacterium</i> ; <i>Listeria</i>
23		M	3	<i>Mycobacterium</i> ; <i>Borrelia</i> ; <i>Francisella</i>
24		M	5	<i>Neisseria</i> ; <i>Haemophilis</i>
25	10	M	8	<i>Bordetella</i> ; Enteric Bacteria; <i>Helicobacter</i>
26		M	10	<i>Pseudomonas</i> ; <i>Legionella</i> ; <i>Chlamydia</i>
27		M	12	<i>Rickettsia</i> ; <i>Mycoplasma</i> ; Oral Microbiology