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BIOL 106.01: Elementary Medical Microbiology

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Elementary Medical Microbiology BIOL 106N 01 3 credits CRN:30648

Instructor: Ralph C. Judd Office: HS410 Phone: 243-2347 Office hours: Tuesday, Thursday 9:00-10am
Lecture: MWF 8:10am ULH 101
Text: Clinical Microbiology made ridiculously simple
FacPac: Available from the bookstore.

Goals: The goal of this course is to acquaint students with the basic principles of immunology and infectious disease. Students are expected to learn the basics of host defense systems, infectious diseases agents important in the United States (bacterial, viral, fungal, and parasitic) and methods of treatment and prevention of these disease agents. Upon completion of this course, students should be well prepared to protect themselves and their families from infectious diseases and be academically prepared to enter courses of study in microbiology and/or health-related professions. Achievement of these goals will be assessed by three one hour exams (100pts each) and a two hour final exam (200pts). Final grades normalized to highest points earned. Grades will then be assigned on a >90% = A; 89-80 = B; 79-70 = C; 69-60 = D; <60 = F.

<u>Date</u>	<u>Topic</u>	<u>FacPac beginning page/Clin Micro MRS chapter</u>
January 27	Introduction	p1
29	Introduction	p1
31	Infectious Agents	p4/2
February 3	Interaction of Host and Infectious	p6
5	Non-specific Defenses	p8
7	Non-specific Defenses, Immunity	p8, p10
10	Acquired Immunity	"
12	Acquired Immunity	"
14	Acquired Immunity	p8, p10
17	Holiday! Presidents' Day	DECLARATION OF INDEPENDENCE
19	Catch-up/Review	
21 Friday	EXAMINATION #1	
24	Introduction to Bacterial Diseases	p14/1
26	Gram Positive Cocci	p18/4,5
28	Gram Positive Cocci	"
March 3	Gram Negative Diplococci	p20/8
5	Gram Positive Sporeformers	p24/6
7	Gram Positive Non-sporeformers	p28/7
10	Mycobacteria	p29/14
12	Gram Negative Enterics	p32/9
14	Gram Negative Enterics	"
17	Gram Negative Coccobacilli	p35/10,11
19	Catch-up/Review	
21 Friday	EXAMINATION #2	
24,26,28	Spring Break!!	PARTY MANUAL
Spirochetes	p38/13	31
April 2	Mycoplasma/Rickettsia	p40/15,12
4	Chlamydia	P42/12
7	Bacteria Overview	
9	Antibiotics	p43/16,17,18,19,33
11	Antibiotics	"
14	Introduction to Viruses	p48/22
16	Viral Diseases, DNA viruses	p48/26,27
18	Viral Diseases, DNA viruses, RNA viruses	p51/24
21	Viral Diseases, RNA viruses, Lentiviruses (HIV)	p54/23,25,28,29
23	Catch-up/Review	
25 Friday	Examination #3	
28	Fungal Diseases, Superficial, Subcutaneous	p55/20,21
30	Fungal Diseases, Systemic, Opportunistic, Toxic	"
May 2	Introduction to Parasitic Diseases, Protozoa	p59/30
5	Parasitic Diseases, Nematodes, Trematodes	p61/31

May 14 Wednesday FINAL EXAMINATION 10:10am - 12:10pm, ULH 101

NOTE: University policies on drops, adds, changes of grade option, or change to audit status will be strictly enforced in this course. These policies are described on p. 19 of the 2002-2003 catalog. Students should specifically note that after the 30th day of the semester, such changes are NOT automatically approved. They may be requested by petition, but the petition MUST be accompanied by documentation of extenuating circumstances. Requests to drop a course or change the grade basis to benefit a student's grade point average will not be approved.