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MICB 302.01: Medical Microbiology

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Medical Microbiology
CRN:70699

MICB 302 01 3 credits

Lecture: MWF 8:10am NULH 101
Instructor: Ralph C. Judd Office: HS410 Office hours: T,Th 9:00am to 10:00ish
 Phone: (406) 243-2347 Email: bircj@selway.umt.edu
Text: Jawetz, *et al.* - Medical Microbiology
Fac/Pac: Available from the bookstore.
Grading: Three one hour exams (100pts each) and a two hour final exam (200pts). Final grades normalized to highest points earned.

The goal of this course is to acquaint pharmacy students with the principles of immunology and infectious diseases. Students are expected to learn the functions of host defense systems, the names, diseases, modes of transmission and methods of treatment and prevention of viral, bacterial, fungal and parasitic infectious disease agents. Upon completion of this course, students should be well prepared to explain the ramifications of the diagnosed disease and the prescribed treatment with their clients. 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.

Date	Topic	Chapter
9/5	Introduction	1
7	Introduction	1
10	Infectious Agents	1
12	Interaction of Host and Infectious Agents	9,29 (Intro)
14	Non-specific Defenses	8,11
17	Non-specific Defenses, Immunity	8,11
19	Immunity/Vaccines	8
21	Immunity/Vaccines	8
24	Vaccines	8
26	Genetic Engineering	7, pp. 101-108
28	Catch-up/Review	Text, Notebook
10/1 Monday	EXAMINATION #1	Serious tranquilizers
3	Introduction to Viruses	29,30
5	Viral Diseases, DNA viruses	33,34
8	Viral Diseases, DNA viruses, RNA viruses	35,36,40
10	Viral Diseases, RNA viruses, Lentiviruses (HIV)	39,42,43,44
12	Tumor Viruses and Oncogenes	43, pp. 554-557 (no tables)
15	Introduction to Bacterial Diseases	9
17	Gram-positive Cocci	14,15
19	Gram-positive Cocci	15
22	Gram-negative Diplococci	21
24	Gram-positive Sporeformers	12
26	Catch-up/Review	Your neighbor's notes
29 Monday	EXAMINATION #2	Thorazine, Mellaril, Stellazine
31	Gram-positive Non-sporeformers/Corynebacterium	13
11/2	Mycobacteria	24
5	Gram-negative Enterics	16
7	Gram-negative Enterics	16,17
9	Gram-negative Coccobacilli	18-20
12	Holiday, Veteran's Day	Thank all our veteran's!!!
14	Spirochetes	25
16	Mycoplasma/Rickettsia	26,27
19	Chlamydia	28
21	Holiday, Thanksgiving Travel Day	Road Atlas
23	Holiday, Thanksgiving Recovery Day	Pepcid, Zantac
		see next page
26	Antibiotics	10

28	Antibiotics, Bacteria Overview	10
30	Catch-up/Review	Any darn thing you can find
12/3 Monday	EXAMINATION #3	Any anti-depressive drug
5	Emerging Diseases	Notes
7	Fungal Diseases	45
10	Fungal Diseases/Parasitic Diseases	45, 46
12	Parasitic Diseases	46
14	Catch-up and Review	

17 Monday FINAL EXAM 8:00am - 10:00am NULH 101

Tums, Roloids

Note: There are study guides at the end of the notes. The first lists bacteria and the diseases they cause, the second lists *all* the infectious disease agents discussed in this class by route of transmission or classification.