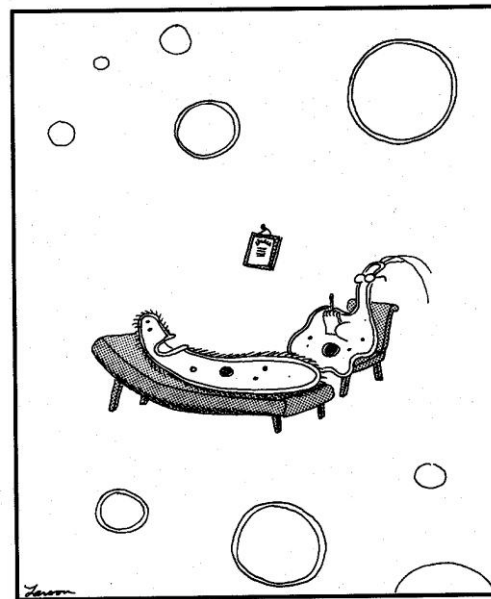


LECTURE AND EXAM SCHEDULE\*

Jan 6	Introduction (History, Overview of Microbes)
Jan 11	Introduction, Methods of Study
Jan 13	Methods of Study, Microorganisms: Algae, Protozoans
Jan 18	NO CLASS – MARTIN LUTHER KING HOLIDAY
Jan 20	<b>QUIZ #1</b> (on Intro - Methods); Parasites, Fungi
Jan 25	Microorganisms: Bacteria, Viruses
Jan 27	Viruses, Bacterial Growth
Feb 1	<b>QUIZ #2</b> (on Microorganisms); Bacterial Growth, Metabolism
Feb 3	Bacterial Metabolism , Bacterial Genetics
Feb 8	Bacterial Genetics, Recombinant DNA Technology
Feb 10	Epidemiology, Pathogenesis of Disease
Feb 15	Pathogenesis of Disease, Microbial Control Methods
Feb 17	<b>QUIZ #3</b> (Metabolism - Pathogenesis); Antimicrobial Drugs
Feb 22	Antimicrobial Drugs, Immunology: Introduction & Overview
Feb 24	Immunology: Nonspecific Mechanisms , Specific Mechanisms
Mar 1	Specific Immunology, Immune Disorders
Mar 3	<b>MIDTERM EXAM</b> (Introduction – Nonspecific Immunity)
Mar 8	NO CLASS – SPRING BREAK
Mar 10	NO CLASS – SPRING BREAK
Mar 15	Immune Disorders
Mar 17	Applied & Diagnostic Immunology
Mar 22	Applied & Diagnostic Immunology, Bacterial Diseases
Mar 24	Bacterial Diseases & Mechanisms
Mar 29	<b>QUIZ #4</b> (on Immunology); Bacterial Diseases
Mar 31	Bacterial Diseases, Fungal Diseases
Apr 5	Viral Diseases
Apr 7	<b>QUIZ #5</b> (Bacterial & Fungal Diseases); Viral Diseases
Apr 12	Viral Diseases
Apr 14	Viral Diseases
Apr 19	Parasitic Diseases,
Apr 21	<b>QUIZ #6</b> (on Viral Diseases); Parasitic Diseases,
Apr 26	Environmental Microbiology;
Apr 28	Applied & Industrial Microbiology
May 5	at 12:30 <b>FINAL EXAM</b> (Specific Immunity – Applied Microbiology) *Subject to minor changes

COURSE OUTCOMES

- ☛ The students should be able to describe the historical origins of microbiology, describe techniques for studying microorganisms, and classify microorganisms into their appropriate taxonomic categories.
- ☛ The students should be able to discuss bacterial characteristics, factors influencing microbial growth, energy production, variability, and mechanisms of inheritance.
- ☛ The students should be able to explain principles and basic techniques of controlling microorganisms by chemical, physical, and chemotherapeutic means.
- ☛ The students should be able to discuss the immune system, its principles, and the interaction of its components
- ☛ The students should be able to detail the morphology, physiology, and epidemiology of viruses, fungi, protozoans, and helminths
- ☛ The student should be able to discuss the modes of transmission of infectious diseases, factors that influence development of infection, and methods that are used to impede the spread of disease.



“Well, I just feel like I’m living under a microscope.”

TEXT MATERIAL FOR LECTURE CONTENT

<i>Quiz 1</i>	
INTRODUCTION .....	Ch 1 p2 - 11, Ch 4 p77, table 4.2, Ch10 p278 - 280
METHODS OF STUDY .....	Ch 3; Ch 6 p164-170
<i>Quiz 2</i>	
PROTOZOANS .....	Chapter 12
FUNGI .....	Chapter 12
ALGAE .....	Chapter 12
MULTICELLULAR PARASITES .....	Chapter 12
BACTERIA .....	Chapter 4, Ch 11
VIRUSES .....	Chapter 13
<i>Quiz 3</i>	
BACTERIAL METABOLISM ....	Chapter 5
BACTERIAL GROWTH .....	Chapter 6
BACTERIAL GENETICS .....	Chapters 8 & 9
EPIDEMIOLOGY .....	Chapter 14
PATHOGENESIS .....	Chapter 15
<i>Also on Midterm</i>	
CONTROL OF GROWTH .....	Chapter 7
ANTIMICROBIAL DRUGS .....	Chapter 20
BASIC IMMUNOLOGY .....	Chapter 16
<i>Quiz 4</i>	
SPECIFIC IMMUNITY .....	Ch 16 p463- 468, Ch 17
APPLIED IMMUNOLOGY .....	Chapter 18
IMMUNE DISORDERS .....	Chapter 19
<i>Quiz 5</i>	
BACTERIAL DISEASES .....	Chapters 21 - 26
FUNGAL DISEASES .....	Chapters 21 - 26
<i>Quiz 6</i>	
VIRAL DISEASES .....	Chapters 19, 21 - 26
<i>Also on Final</i>	
PARASITIC DISEASES .....	Chapters 21 - 26
MICROBES IN NATURE .....	Chapter 27
MICROBES & MAN .....	Chapter 28