

CLASS REVIEW SESSION

ISC 2937

- I. INTRODUCTION - HISTORY AND SCOPE
- II. GERMS & HOSTS
 - AGENTS OF INFECTIOUS DISEASE
 - GERM THEORY OF DISEASE
 - BACTERIA, VIRUSES, PRIONS
 - HOSTS
 - NON-SPECIFIC DEFENSES
 - SPECIFIC DEFENSES
 - TYPES OF IMMUNITY
 - DUALITY OF THE IMMUNE RESPONSE
 - B CELLS & ANTIBODY
 - T CELLS & CELL KILLING
- III. PUBLIC HEALTH
 - THEN AND NOW - MORTALITY
 - DETECTION
 - CONTROL OF TRANSMISSION
 - FOOD, WATER, AIR; ISOLATION
 - PREVENTION (ERADICATION)
 - SURVEILLANCE
- IV. VACCINES
 - BACTERIAL OR VIRAL: PEDIATRIC IMMUNIZATIONS
 - TYPES: TOXOIDS, CARBOHYDRATES, VIRUSES, SUBUNIT VACCINES
- V. ANTIBIOTICS
 - CELL WALL
 - PROTEIN SYNTHESIS
 - ANTIVIRAL DRUGS
- VI. THE BACTERIA AND BACTERIAL DISEASES
 - PROKARYOTES VS EUKARYOTES
 - GRAM NEGATIVE (PROTEOBACTERIA)
 - GRAM POSITIVE BACTERIA
 - CHLAMYDIA AND SPIROCHETES
- VII. THE VIRUSES AND VIRAL DISEASES
 - PROPERTIES OF VIRUSES (STRUCTURE & LIFE CYCLE)
 - BACTERIAL AND PLANT VIRUSES
 - HUMAN DNA VIRUSES (PAPILLOMA, HERPES, POX)
 - HUMAN RNA VIRUSES (POLIO, ENCEPHALITIS, RABIES, MUMPS, MEASLES, INFLUENZA, HIV-1)
- VIII. OTHER AGENTS OF INFECTIOUS DISEASE
 - PRIONS (THE "TSEs") AND VIROIDS
 - KURU, SCRAPIE AND CJD
 - MAD COW DISEASE AND vCJD