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