

GRANDE PRAIRIE REGIONAL COLLEGE

MI 1330 MEDICAL MICROBIOLOGY

COURSE OUTLINE  
FALL 1992

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COURSE OBJECTIVES:

The principal objectives of the course are to introduce students to the importance of microbiology in the health sciences and to familiarize them with the epidemiology, prevention and control of many commonly occurring infections.

INSTRUCTOR:	Dr. David C. Creasey office: J223 phone: 539-2860
TRANSFERABILITY:	MMID 233            University of Alberta
TEXTBOOK:	TBA
LECTURES:	PLACE:    H211 TIME:     Mondays, Wednesdays, and Fridays 13:00 - 13:50
EVALUATION:	Pre-Midterm Test (week of Sept. 28)            10% MidTerm Test (week of Oct. 19)                25% Post-Midterm Test (week of Nov. 16)           15% Final Course Examination                       50%

COURSE DESCRIPTION:

MI 1330 is an introductory general microbiology course designed for Nursing students. The emphasis of the course is on the epidemiology, prevention, and control of infection. The course is comprised of two and one half hours of classes per week for a single academic term. Some of the topics discussed include: introduction to bacteria, viruses, and fungi; history of microbiology; the medical importance of microbiology; structure and comparison of procaryotes and eucaryotes; microbial metabolism; microbiological techniques; bacterial genetics; normal human flora; transmission of micro-organisms; host defense mechanisms; immunity and vaccination; the characteristics, diseases, treatment, and control of microbial pathogens, including staphylococci, streptococci, enterobacteria, nonfermentative gram-negative bacilli and other important gram-negative bacteria, gram-positive bacteria, mycobacteria, viruses, fungi, protozoa; anaerobic infections; chemotherapeutic agents; sexually transmitted diseases; sterilization and disinfection; hospital infection control.