**BSC 4422**

**Exam 3 Review**

**Chapter 15**

Understand what the MHC is

Know the difference class of MHC genes and where they are found

Understand HLA nomenclature and what testing is done to determine HLA type and know where the different types of test are used.

**Chapter 9**

Understand the basics of the various techniques for detecting genetics mutations

**Identification of bacterial virulence factors**

Understand the basic of detecting bacterial virulence factors and how these techniques are changing the field of diagnostic microbiology

**Leukemias**

For the four major classifications:

-know the basic cell line type

-know one “old” test for diagnosis and one molecular test for diagnosis

-know common translocations or chromosomal abnormality

-common population (age and sex involved)

**Lymphomas**

Know the basic types of lymphomas

Know the distinguishing characteristics characteristics between the different types

**Regulatory Issues**

Know what is meant by the term GMP

Know the difference between quality control and quality assurance.

Know the factors and measures that make up good quality control

Know the path companies have to take to get a pharmaceutical approved by the FDA

**Ethical Issues**

Understand the major ethical issues as describe in class notes