**BSC 4422**

**Exam 2 Review**

**Chapter 13**

Understand transmission patterns

Factor V Leiden-understand complications of disease, gene(s) involved and means of testing

-be able to interpret a test for this.

Sickle Cell Anemia-understand complications of disease, gene(s) involved and means of testing

-know the different types of normal and abnormal hemoglobin

-be able to read a Hgb electrophoresis

Cystic fibrosis-understand complications of disease, gene(s) involved and means of testing

Huntington’s-understand complications of disease, gene(s) involved and means of testing

Gene-imprinting-understand what it is and how it effect Prader-Willi and Angelman syndrome

**Chapter 14**

Understand the classifications of neoplasms

Know the molecular abnormalities in solid tumors (genes) and the implications of having these genes

Understand Knudson two-hit hypothesis of tumorigenesis

Understand loss of heterozygosity

Understand the importance of CD markers

Leukemias and Lymphomas-know the definition and understand the difference between Hodgkin’s Disease, non-Hodgkin’s lymphoma, and plasma cell neoplasms—only the basic definition at this time—we will go into details in the leukemia and lymphoma lectures—so forget the section on Burkitt’s lymphoma.

You do NOT have to know all the translocations!---for this test!

Understand about viral carcinogenesis