2023C BIOL2210 DRAFT Syllabus	
ules for reading materials and lecture slides)	
Day	**Lecture Topic**
Tues	**1: Mendel and the changing models+D6 of heredity (KG)**
Thurs	**2: Chromosomal Basis of Inheritance (KG)**
Tues	**3: Pedigree Analysis & Probabilities (KG)**
Thurs	**4: Hardy Weinberg, Pedigrees and Polar Body Testing (KG)**
Tues	**5: Significance of Dominance and Gene Interactions (KG)**
Thurs	**6: Epigenetics, Epistasis, Complementation, Gene interactions 1 (KG)**
Tues	**7: Epigenetics, Epistasis, Complementation, Gene interactions 2 (KG)**
Thurs	**8: Linkage Analysis (KG)**
tues	**9: Complex traits-population genetics & GWAS (KG)**
Thurs	**Exam 1**
Tues	**10: Cracking the code of life I (NB)**
Thurs	**FALL BREAK**
Tues	**11: Cracking the code of life II (NB)**
Thurs	**12: A messenger between the nucleus & cytoplasm I**
tues	**13: A messenger between the nucleus and cytoplasm II**
Thurs	**14: Translating the genetic code (NB)**
Tue	**15: Details of Translation (NB)**
Thurs	**16: Gene regulation in Prokaryotes (NB)**
Tue	**17: Gene regulation in Eukaryotes (NB)**
Thurs	**Exam 2**
Tue	**18: Techniques of DNA manipulation I (NB)**
Th	**19: Special lecture**
Tue	**20: Techniques of DNA to Genomics (NB)**
Th	**21: Jumping genes (NB)**
Tue	**22: Developmental Genetics (KG)**
Thurs	**Thanksgiving**
Tues	**23: Molecular Genetics (KG)**
Th	**24: CRISPR (KG)**
Tue	**25: Maintaining integrity of genome (NB)**
Thurs	**Exam 3**
	Exam 4