Biology 324 - Human Genetics

Jan.	14	The genome project and structural features of the genome (Duncan)
	16	Mutation and epigenetics (Duncan)
	21	Martin Luther King Day
	23	The HapMap Project (Duncan)
	28	Homozygosity and admixture mapping (Plunkett)
	30	Genetic counseling (Armstrong and Piersall)
Feb.	4	Risk assessment in pedigrees (Armstrong and Piersall)
	6	Common Mendelian Disorders (Reimschisel)
	11	Biochemical Genetics and Newborn screening (Reimschisel)
	13	Exam 1
	18	Nonmendelian Inheritance: Imprinting Disorders, Mosaicism, and Trinucleotide Repeat Diseases (Reimschisel, Duncan [evolution of imprinting])
	20	Nonmendelian Disorders: Mitochondrial genetics (Reimschisel)
	25	Treatment of Genetic Diseases (Reimschisel)
	27	Genetic Disorders: Patient and Family Perspectives
Mar.	3	Cytogenetics (Kulkarni)
	5	Chromosomal disorders (Kulkarni)
	10	Midterm break
	12	Midterm break
	17	Whole genome association studies (Morgan)
	19	Whole genome association studies (Morgan)
	24	Assisted reproduction and prenatal diagnosis (Armstrong and Piersall)
	26	Exam 2
	31	Model organisms and human disease (Dutcher)
Apr.	2	Cancer (Piersall and Kulkarni)

	7	Cancer (Piersall and Kulkarni)
	9	Genetics of immunity (Duncan)
	14	Pharmacogenomics (Duncan)
	16	Stem cells (Duncan)
	21	Genetics and Society (Reimschisel, Armstrong, and Piersall) (ethical and legal aspects of genetic testing)
	23	Genetics and Society (Reimschisel, Armstrong, and Piersall)
May	5	Final Exam 10:30-12:30 PM