

BIOL 2030, Fall 2009, Lecture Schedule, T and Th, 2:00-3:20, ASB 220

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August	25	Introduction: Inheritance and Mendel
	27	Pedigrees and Populations
Sept.	1	Complex patterns of inheritance
	3	<i>Solving problems of heredity</i>
	8	Chromosomes and Meiosis
	10	<b>Exam 1</b>
	15	Recombination and Mapping
	17	Single cell genetics/tetrad analysis
	22	<i>Solving mapping problems</i>
	24	DNA: The molecule of heredity
Oct.	29	The nature of the gene
	1	Genes and their products
	6	From DNA to protein
	8	<i>Solving problems about genes</i>
	20	<b>Exam 2</b>
	22	Mutations and genetic screens
	27	DNA damage, repair and recombination
	29	Recombinant DNA
Nov.	3	Cloning genes
	5	<i>Solving problems with molecules and maps</i>
	10	<b>Exam 3</b>
	12	Genomes and transposons
	17	Mapping and analyzing human genes
	19	Mutations of chromosome structure and aneuploidy
	24	Prokaryotic chromosomes and gene expression
Dec.	1	<i>Solving problems</i>
	3	<b>Exam 4</b>
	8	Eukaryotic gene expression
	10	Engineering genes and genomes
	17	Comprehensive Final Exam, 1:00-3:00, ASB 220

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Note: Additional useful information is found in the back of your book: Genetic Nomenclature (p. 827). The web site for the book ([www.mmhhee.com/hartwell3](http://www.mmhhee.com/hartwell3)) also has some information on common experimental organisms (Genetic Portraits) that may be helpful.