

## Heredity and Society (Cell 103) Fall, 2006

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Office: 4014 Percival Stern Hall; Office hours: Monday 10-12.

**Textbook:** Human Genetics: Concepts and Applications, 7<sup>th</sup> (ed). McGraw – Hill.

Class Meets Monday, Wednesday and Friday from 9:00 to 9:50 AM, room 108, Jones building.

### Lectures

Week of	Topic	Chapter in textbook
<b>August</b> 28	Introduction,	1
	overview	2
<b>September</b> 4	Cells,      Development	2, 3
	11	Development
	Reproductive technology	21
18	DNA structure and replication	9
	Gene action: from DNA to protein	10
25	Chromosomes	13
	Control of gene expression	11
<b>October</b> 2	Mendelian inheritance	4
	9	Extensions and exceptions of Mendel's Laws
	Matters of sex	6
16	Multifactorial traits	7
23	Genetics of behavior	8
	Gene mutation	12
30	When allele frequencies stay constant	14
	Changing allele frequencies	15
<b>November</b> 6	Genetics of immunity	17
	Genetics of cancer	18

	13	Genetics of cancer Genetic technologies	18 19
	20	Genetic technologies	19
	27	Genetic testing Age of genomics	20 22
<b>December</b>	4	Age of genomics Human origins	22 16

**Important dates:**

October 18: first midterm  
December 15: Final exam

**No class on:**

September 4, Labor day  
October 2, Yom Kippur  
November 22, 24, Thanks giving