#  GENETICS IN HUMAN AFFAIRS

 NOVEMBER 20-22, 2009

 SPLASH, EDUCATIONAL SERVICES PROGRAM

##  MASSACHUETES INSTITUTE OF TECHNOLOGY

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*TEXT: The primary text for the course is,* [*Human Genetics: Concepts and Applications, Eighth Edition*](http://www.mhhe.com/lewisgenetics8) *by Dr. Ricki Lewis. I highly recommend purchasing it or an earlier edition; however, it is not required for our class.*

*COURSE DESCRIPTION: A discussion of basic principles of genetics for non-majors or majors with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of man. A survey of current knowledge of the inheritance of human traits is included.*

*COURSE TOPICS :*

Introduction/Genes and You

Transmission Genetics - How heredity is accomplished

Human Genetics - How heredity determines certain human characteristics

Molecular Genetics - How heredity is interpreted

This is where the bulk of our class will focus

Chromosome Aberrations and Genetic Disease - How heredity goes astray

Social Genetics - How heredity impacts society