

Bio 0190-01 DNA: From Structure to Function
Spring 2009, Tuesday/Friday 12:00-1:15 PM, Barnum 113

January 16	Lecture 1	DNA structure – First principles
January 23	Lecture 2	Circular DNA and DNA supercoiling
January 27	Lecture 3	DNA topoisomerases
January 30	Lecture 4	Chromosomal loops and domains
February 3	Lecture 5	Unusual DNA structures
February 6	Lecture 6	Unusual DNA Structures
February 10	Lecture 7	Protein-DNA recognition
February 13	Paper Discussions	
February 17	Paper Discussions	
February 20	Paper Discussions	
February 24	Paper Discussions	
February 27	Midterm Discussion	All questions
March 3	Lecture 8	Chromatin – First Principles
March 6	Lecture 9	Histone Code
March 10	Lecture 10	Transcription
March 13	Lecture 11	Transcription
March 14-22	No classes	Spring Break
March 24	Lecture 12	Replication
March 27	Lecture 13	Replication
March 31	Lecture 14	Repair
April 3	Lecture 14	Homologous Recombination
April 7	Lecture 15	Site-specific Recombination
April 10	Paper Discussions	
April 14	Paper Discussions	
April 17	Paper Discussions	
April 21	Paper Discussions	
April 24	General Discussion	Typical Exam Questions
May 2	Final Exam	